Area or Amperes Ckt. Circuit Fill, Farad Joule American Automobile Association American Association Of State Highway Officials American Association Of State Highway And Transportation Officials Cl. or Clear JB Jct. Jt. AAA Final Quantity Junction Box AASH0 Center Line Furnish & Install CL, C/L or € F & I Junction Concrete Monument F to F Face to Face Federal Aid or Fine Aggregate Florida Administrative Code ABC Asphalt Base Course CMB Concrete Median Barrier FA FAC Corrugated Metal Pipe Abd. Abandoned Design Hour Factor or Kelvin CMPA Co. Col. Com. COMM Corrugated Metal Pipe Arch ABS Acrylonitrite-Butadiene-Styrene Pipe FAP Federal Aid Project Kilo (prefix) County or Company AC. Ac. Acre Asphaltic Concrete FC FD Friction Course Kilogram Kilogram Per Meter kg kg∕m AC or Asph. Conc. Column Commercial or Common Accel. Acceleration Edn. Foundation kg/m² kg/m² Kilogram Per Square Meter Kilogram Per Cubic Meter Committee or By Committee FDOT Florida Department Of Transportation Act. ADA Adh. The Americans With Disabilities Act Comp. Con. Conc. Composite Floor Elevation One Thousand 1000 Pounds Connect or Connection Fed. Federal Kip km Adj. ADT Adjust Concrete Fert. Fertilizer Kilometer Const. Average Daily Traffic Construct or Construction FES FETS Flared End Section
Flared End Terminal Section km/h Kilometer Per Hour Contri. AADT Annual Average Daily Traffic Controller Knot Agg. Aggregate Ahead Continuation FH FHWA kPa ksi kV Kilopascal Contractor Federal Highway Administration Ah. AISC Kips Per Square Inch American Institute Of Steel Construction Coord. Coordinate Figure Finish Fig. Fin. Alternate Corner Alt. kVΔ Kilovolt Amnere Corr. CP CPE CR CRA AI. AM Corrugated Flow Line 12:00 Midnight Until II:59 Noon Concrete Pipe Florida Flexible FL, Fl. or Fla. Corrugated Polyethylene Pipe Control Radius or County Road American National Standards Institute Flex. Length, Length Of Curve, Liter, Left Apparent Opening Size AOS FNQ Fuse (Type Slow Burn) 2-1 Two-Lane Two-Lane One-Way Applied, Application Appl. Clear Recovery Area FOC Fiber Optics Cable 2LIW Crs. or Cse. Approach Course FPM or fpm 2L2W LA or L/A Two-Lane Two-Way Curve To Spiral Approximate CS CSP Approx. ARTBA FRP Fiber Reinforced Pine Limited Access American Road & Transportation Builders Association Corrugated Steel Pipe FPS or fps Feet Per Second lane km Lat. Lane Kilometer Clear Trunk Artf. Asph. Assem. **Artificial** Frame Franaible FR or Fr. Lateral or Latitude Asphalt Ctlvr. Cantilever Frang. Freq. Lb. Ib/sy Assembly Ctr. Center Frequency Far Side Pounds Per Square Yard Association CU or Cu LBR LC LEO FS Limerock Bearing Ratio Associate, Association Assoc. Culvert Foot or Feet Long Chord Law Enforcement With Flashing Lights And Radar ASTM American Society For Testing Materials Hundredweight Floating Turbidity Barrier FTR Attn. Attention CY Cyl. CZ Cubic Yard FTBA Florida Transportation Builder Association Lgth. Lin. Attnuatr. Cylindrical Furnish Linear Aux. or Auxil. **Auxiliary** Fut. Future Avenue I mrk. I imerock American Wire Gauge American Welding Society D Degree Of Curvature, Depth, Density, Distance, Diameter Loc., LO Location AWS or Directional Distribution LS LT Length Of Spiral Left Turn Az. DA Drainage Area or Deflection Angle Giga or Gauss DBH DBI DbI. DCS DD Gram or Gravity Diameter At Breast Height Lt. Ltd. B to B Back to Back Galv. Ditch Bottom Inlet Lighted or Limited Gauge or Gage Lum. L/W Luminaire Lightweight вы. Barrel Dearee Of Curvature (Spiral) Bd. or Bnd. Bond or Bonded Garage Gutter Drain Bottle Cap or Bolt Circle Back Of Curb Directional Design Hour Traffic DDHN B/C, B.C. GIP Galvanized Iron Pipe Decel. Deceleration Bituminous Coated Corrugated Metal Pipe Culvert Bituminous Coated Pipe Arch Culvert М **BCCMP** Mass, Middle Ordinate Length or Mega Gas Main Degree Delineators BCPA Meter or Milli Grade Point m² m³ m³/m Square Meter or Meter Square **BCPCMP** Bituminous Coated And Paved Corrugated Metal Pipe Culvert Grade, Guardrail or Grate Demobilization Gr. **BCPPA** Bituminous Coated And Paved Pipe Arch Culvert Cubic Meter or Meter Cubed BCT Breakaway Cable Terminal Department Galvanized Rigid Steel Conduit Detour, Detection, Detectable GRC m/s Mach. Buried Electric Meters Per Second DGN or Dgn. Grd. Ground Beg. Bit. Machine Begin Bituminous Design Hourly Volume Gross Kilometer Maint Maintenance Design High Water Ditch Gr. Wt. or ar. wt. Gross Weight DHW DT Mati. Material Bk. Back Mari. Max. MB MBM Med. Mega Memb. MES BL, BLC Base Line, Base Line Control Drop Inlet Gy Gray Median Barrier Bldg. Blkhd. Building Bulkhead Diameter Dimension Thousand (Feet) Board Measure Dia. or D Blvd. Roulevara Median Dist. Disp. DLS Distance One Million Bench Mari Hour or Hecto Bndry. Disposal Member Mitered End Section District Location Surveyor Domestic Mail Manual HAR Highway Advisory Radio Bdr. Border DMM Bot. Message Manufactured or Manufacturer Hay Bales DOT DPI Department Of Transportation Borrow Pit Horizontal Clearance Mfg. MG MH MHW BP Bq. Ditch Point Intersection 1000 Gallons High Density or Heavy Duty Becquerel Drain, Drive or Design Review Dr. or DR. Br. Bridge HD or Hd. Manhole Design Review DR Driv. Mean High Water Brg. Brkwy. Headwall Bearina Hdwl. Driven Heavy Hex y Mi. Micro Drwy. DS DSL Buried Telephone Cable or Duct Hodri Mile Design Speed Btfly. Hand/Off/Automatic One-Millionth Butterfly Barbed Wire, Bottom Width or Both Ways Design Service Life BW Horiz. or Hor. Horizontal Mid. Middle One-Thousandth Of An Inch BO Drawina High Pressure or Horsepower Mil. Military One-Thousandth Milli High Strength East or External Distance HS Cantilever Length, Cut, Colorless, Coulomb or Cycle Length Min. Misc. Minimum or Minute Rate Of Superelevation Hse. Degree Celsius E to E End to End Miscellaneous C & G Curb And Gutter High Water or Hot Water EA or Ea. mL MLW Coarse Aggregate Eastbound Highway Hydrant or Hydraulic Mean Low Water Cap. CAP Capacity
Corrugated Aluminum Pipe El. or Elev. mm Mobl. Elevation Hyd. Hz Mobilization Elastomeric Modify or Modified Elec. Ellip. Flectric Corrugated Aluminized Steel Pipe CASE Elliptical Cable Television External Anale (Delta), Interstate Mon. Embankment Monument Catch Basin Interchange Vaintenance Of Traffic Illuminating Engineering Society
Inside Diameter or Identification Concrete Box Culveri Emul. Encl. Emulsified IES Enclosure Mile Post CBS Concrete Box Structure Engr. EOS CC. C/C. or C to C Center to Center IMC Intermediate Metal Conduit End Of Survey or Equivalent Opening Size Center to Center Each Way STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION Inch Eq. Equation or Équal CD Cross Drain Incorporated or Including Equip. Equipment Candela Incl. or Inc. Included Cem. Cem'd. Cement or Cemeters Industry or Industrial Est. or Estm. Estimate Iron Pipe Installed STANDARD ABBREVIATIONS Cubic Feet Per Second install. Et Cetera (And So Forth) Etc. or etc. Ch. Channel lsect. Intersection Chchg. Channel Change Endwall Except, Example Chg. Cl Changeable Institute Of Transportation Engineers Approved By Exc. or Excav. Names Dates Excavation Cast Iron

Existing

Expansion

Extension

Expressway

Exp. Ext.

Exwy.

CIP

CIPL

cir. or circ.

Cast Iron Pipe

Cast In Place

Circumference

Circle or Circular

State Roadway Design Engineer

001

Sheet No.

I of 2

Designed By

rawn Bv

Checked By

```
Strong
                                                                                                   Pr.
                Megapascal
                                                                                                                                                                                                                    Storage
Steel
               Miles Per Hour
                                                                                                                          Point Of Reverse Curvature
                                                                                                                                                                                             Sti.
Str.
Sty.
SU
Sub. or Subs.
Sub. or Subst.
Subgrs.
Suppts.
SUR or Sur.
Sur.
MSL
                Mean Sea Level
                                                                                                   Prest.
                                                                                                                          Precast
                                                                                                                                                                                                                    Structure
                                                                                                                          Prestressed
                                                                                                   Prest.
                                                                                                                                                                                                                    Story
Single Unit Trucks
                Manual On Uniform Traffic Control Device
Manual On Uniform Traffic Studies
                                                                                                   Prob.
Prod.
                                                                                                                          Probability
Product, Production, Producer or Produced
MUTCO
MUTS
                                                                                                   Prog.
Proj.
PRM
                                                                                                                         Program or Progression
Project or Projection
                                                                                                                                                                                                                    Substitute
                       North or Newton
                                                                                                                                                                                                                    Subgrade
                                                                                                                          Permanent Reference Monument
N/m
                       Newtons Per Meter
                                                                                                                                                                                                                    Supports
                                                                                                   Prov.
                                                                                                                          Provisions
N/m²
N/m³
                       Newtons Per Square Meter
                                                                                                   PS & E
PSF or psf
PSI or psi
                                                                                                                                                                                                                    Survey
                                                                                                                          Plans, Specifications And Estimates
                       Newtons Per Cubic Meter
                                                                                                                                                                                                                    Surface
                                                                                                                          Pounds Per Square Foot
                       Newtons Per Square Millimeter
                                                                                                                                                                                                                     Southwest
                                                                                                                          Pounds Per Square Inch
NA or N/A
                       Not Available or Not Applicable
                                                                                                                                                                                             SW or Swk
                                                                                                                                                                                                                    Sidewalk
                                                                                                                         Point Of Tangency or Pressure Treated
Polyvinyl Chloride
Pressure Water
                                                                                                                                                                                             Sys. or Syst.
N & C
                       Nail & Cap
                                                                                                                                                                                                                    System
                                                                                                   PVC
                       Northbound
                       National Coarse
NDCBU
                       Neighborhood Delivery And Collection Box Unit
                                                                                                                                                                                                                   Tangent, Length Of Curve, Percent Trucks, Tesla,
                                                                                                  a
                                                                                                                         Peak Discharge or Flow Volume
                       Northeast
                                                                                                                                                                                             T, TWP or Twp.
                                                                                                                                                                                                                 Township
Metric Ton
NFMA
                       National Electrical Manufacturers Association
                                                                                                   R or Rad.
                                                                                                                                                                                             tan.
TBM
                       National Geodetic Vertical Datum of 1929
NGVD
                                                                                                                          Range
Radian
                                                                                                                                                                                                                   Temporary Bench Mark
                                                                                                   R or Rng.
NGS
NHW
                       National Geodetic Survey
                                                                                                                                                                                             TC
TCB
TCE
TCP
TCZ
Tel.
                                                                                                                                                                                                                   Tangent To Curve
                                                                                                   rad
                       Normal High Water
                                                                                                                                                                                                                   Temporary Concrete Barrier
                                                                                                   rad/s
RBAC
                                                                                                                          Radian Per Second
                                                                                                                          Rock Base Asphaltic Concrete
                                                                                                                                                                                                                   Temporary Construction Easement
                       New Jersey
                                                                                                   RBST
RCP
                                                                                                                                                                                                                  Terra Cotta Pipe
Traffic Control Zone
                                                                                                                          Rock Base Surface Treatment
N•m
                       Newton Meter
                                                                                                                          Reinforced Concrete Pipe
                       Number
Nominal
                                                                                                   RCPA
                                                                                                                          Reinforced Concrete Pipe Arch
Nom.
                                                                                                                                                                                             Temp.
Traf.
                                                                                                                                                                                                                  Temperature or Temporary
                                                                                                   Rd.
Rdsd.
                                                                                                                          Road or Round
Norm.
                       Normal
                       Non Stress, Not Suitable or Near Side
NS
                                                                                                   Rdwy.
                                                                                                                          Roadway
                                                                                                                                                                                             Theo.
THRMPLSTC
                                                                                                                                                                                                                  Theoretical
NT, N&T
                       Non Traffic, Nail & Tin
                                                                                                                          Recovery
                                                                                                                                                                                                                   Thermoplastic
NTS
                       Not To Scale
                                                                                                   Rect.
Ref.
                                                                                                                          Reticuline or Rectangular
                                                                                                                                                                                              THW or THWN
                                                                                                                                                                                                                  Insulation (Flame Retardant, Moisture And Heat Resistant Thermoplastic)
                       Northwest
                                                                                                                                                                                              Thick.
                                                                                                                          Reference
                                                                                                                                                                                                                   Thickness
                                                                                                   Refl.
                                                                                                                                                                                                                   Thick, Thickness or Truck
                                                                                                                          Region, Regular, Registered or Regulation
Reinforced or Reinforcing
Opass
O to O or o to o
                                                                                                   Reg.
Reinf.
                                                                                                                                                                                             Tn.
Trans.
                      Out to Out
                                                                                                                                                                                                                  Transition, Transverse, Translate or Transportation
                                                                                                                                                                                             Treat.
TS
TSC
                       Overall
Optional Base Group
                                                                                                   Rejuv.
                                                                                                                          Re luvenation
                                                                                                                                                                                                                   Tangent To Spiral
0.B.G.
                                                                                                                          Relocated
                                                                                                   Reloc.
                       On Center
                                                                                                                          Removal
                                                                                                                                                                                                                  Length Of Tangent (Spiral Curve)
                       Outside Diameter
OD
                                                                                                   Repl.
                                                                                                                          Replace
                                                                                                                                                                                             Тур.
                                                                                                   Req. or Reqd.
OH. OHD or Ohd.
                                                                                                                          Residence or Residential
                       Overhead
                                                                                                                                                                                             Upass.
UG
                                                                                                                                                                                                                  Underpass
                                                                                                                          Insulation (Moisture & Heat Resistant Rubber)
                       Option, Optional or Optically
                                                                                                                                                                                                                  Underground
                       Overhead Telephone
                                                                                                   RM
                                                                                                                          Reference Monument
                                                                                                                                                                                             ÜL
Uit.
                                                                                                                                                                                                                  Underwriters Laboratories
                                                                                                   r/min
                                                                                                                          Revolution Per Minute
Oz.
                       Ounce
                                                                                                                                                                                                                  Ultimate
                                                                                                                          Reference Point
Revolution Per Minute
Ω
                                                                                                                                                                                             Ultd.
                                                                                                                                                                                                                  Unlimited
                                                                                                   rpm
RPM
                                                                                                                                                                                             Unddr.
                                                                                                                                                                                                                  Underdrains
                                                                                                                          Raised Reflective Pavement Markers
                                                                                                                                                                                             Undrdwy.
                                                                                                                                                                                                                  Underroadway
                       Passenger Car & Light Delivery Truck
                                                                                                   r/s
                                                                                                                          Revolution Per Second
                                                                                                                                                                                             UNL or Undl.
P or Plan
                       Plan Quantity
                                                                                                                                                                                             Untr.
                                                                                                                                                                                                                  Untreated
                                                                                                   RSDU
                                                                                                                          Radar Speed Display Unit
                       Pascal
                                                                                                                                                                                             USC & GS
                                                                                                                                                                                                                  US Coast and Geodetic Survey (now National Geodetic Survey)
Par.
Pa•s
                       Parallel
                                                                                                   Rsf.
                                                                                                                          Resurface
                                                                                                                                                                                                                 US Geological Survey
United States Postal Service
                                                                                                                                                                                             USGS
                                                                                                                          Right
Right Of Way
                       Pascal Second
                                                                                                   R/W. ROW
Part.
Pavt.
                       Participation or Partition
                                                                                                                                                                                             Util.
                                                                                                                                                                                                                  Utilities
                                                                                                                                                                                             ÜV
                                                                                                                                                                                                                  Ultraviolet
                       Point Of Curvature
                                                                                                                          Speed, South, Seimens, Or Second
Sand-Asphalt Hot Mix
PCBC
                       Precast Concrete Box Culvert
                                                                                                                                                                                                                  Volt, Velocity, Volume or Hourly Volume
                                                                                                   SAHM
PCC
PCE
PE
                       Point Of Compound Curvature or Plain Cement Concrete
                                                                                                   SAN or San.
                                                                                                                                                                                             Var.
                                                                                                                                                                                                                  Varies, Variable or Variance
                                                                                                                          Sanitary
                       Permanent Construction Easement
                                                                                                                                                                                                                  Vertical Curve
                                                                                                                          Southbound
                       Professional Engineer
Pedestrian or Pedestal
                                                                                                                          Shell Base Asphaltic Concrete
                                                                                                                                                                                             VCP
VECP
Ped
Pen.
                                                                                                   SBRM
SBST
                                                                                                                          Sand Bituminous Road Mix
                                                                                                                                                                                                                  Value Engineering Change Proposal
                       Penetration
                                                                                                                          Shell Base Surface Treatment
                                                                                                   SC
Sch.
SCST
                                                                                                                          Seal Coat or Spiral To Curve
                                                                                                                                                                                             Vert.
VF
                       Profile Grade Line
PGL
                                                                                                                                                                                                                  Vertical Foot
                                                                                                                          Schedule
                                                                                                                          Sand-Clay Surface Treatment
                                                                                                                                                                                             Vh
VMS
                                                                                                                                                                                                                  Verified Horizontal Location
                       Measure Of Acidity or Alkalinity
                                                                                                   SD
SE
                                                                                                                          Side Drain, Storm Drain
                                                                                                                                                                                                                  Variable Message Sign
                       Point Of Intersection
                                                                                                                          Southeast
Pkg.
                       Parking
                                                                                                                                                                                                                  Vertical Panel
                                                                                                   Sec.
Sect.
                      Parkway
Property Line or Plate
12:00 Noon Until II:59 Midnight
                                                                                                                                                                                             VPD or Vpd.
                                                                                                                                                                                                                  Vehicles Per Day
                                                                                                                          Section
                                                                                                                                                                                             VPH or Vph.
VPHPL or Vphpl.
                                                                                                                                                                                                                  Vehicles Per Hour
                                                                                                                                                                                                                  Vehicles Per Hour Per Lane
                                                                                                   Sep.
Seq.
                                                                                                                          Separator
POC
                       Point On Curve
                                                                                                                                                                                                                 Volts Root Mean Square
Verified Vertical Elevation
POST
                       Point On Semi-Tanaent
                                                                                                                          Service
Adjustment Factor In Percent, Silt Fence
                                                                                                   Serv.
SF
                       Point On Tangent
                                                                                                                                                                                                                  Verified Vertical Elevation And Horizontal Location
                       Power Pole
                                                                                                                                                                                             VW
                                                                                                                                                                                                                  Variable Width
                                                                                                                          Specific Gravity
                                                                                                   SG or Sp.Gr.
PRC
                       Point Of Reverse Curvature
                                                                                                   Sh. or Sht.
                                                                                                                                                                                                                  Width, Wide, West or Watt
Prost
                       Precast
                                                                                                   Shidr.
                                                                                                                          Shoulder
                                                                                                                                                                                             W/C
                                                                                                                                                                                                                  Water-Cement Ratio
                       Prestressed
Prest.
                                                                                                                                                                                                                  Westbound
                                                                                                                          Seasonal High Water
                       Probability
Product, Production, Producer or Produced
Prob.
                                                                                                   Spa.
Spog. or Sp.
                                                                                                                                                                                             Wb.
WB40
                                                                                                                                                                                                                  Weber
Intermediate Semi Trailer
Prod.
                       Program or Progression
Project or Projection
                                                                                                  Spec.
Sq. Ft. or SF
Sq. In.
Sq. Yd. or SY
SR or S.R.
                                                                                                                          Specification
                                                                                                                                                                                              WB50
                                                                                                                                                                                                                  Large Semi Trailer
Tandem Semi Trailer
Proj.
PRM
                                                                                                                          Square Foot
                                                                                                                                                                                              WB60
                       Permanent Reference Monument
                                                                                                                                                                                             WM
W.P./.
                                                                                                                          Square Inch
Prov.
                       Provisions
                                                                                                                          Square Yard
State Road
                                                                                                                                                                                                                  Work Program Item
PRS
                       Portable Regulatory Sign
                                                                                                                                                                                                                  Water Table Or Weight
PS & E
PSF or pst
                       Plans, Specifications And Estimates
Pounds Per Square Foot
                                                                                                                          Spiral Rib Aluminum Pipe
Spiral Rib Aluminized Steel Pipe
                                                                                                                                                                                              WWF
                                                                                                   SR\Delta P
                                                                                                                                                                                                                  Welded Wire Fabric
                                                                                                   SRASP
PSI or psi
                       Pounds Per Square Inch
                                                                                                   SRSP
SS
                                                                                                                          Spiral Rib Steel Pipe
                                                                                                                                                                                                                  Coordinate Value (East-West Direction) or Extra
                       Point Of Tangency or Pressure Treated
                                                                                                                          Sanitary Sewer
PVC
                                                                                                                                                                                             X Rd.
                                                                                                                                                                                                                  Cross Road
                       Polyvinyl Chloride
                                                                                                                          Solid State Modular Design
Surface Treatment or Spiral To Tangent
                                                                                                   SSMD
                                                                                                                                                                                             Xing.
Xsec.
PW
                       Pressure Water
                                                                                                                                                                                                                  Crossina
                                                                                                                                                                                                                  Cross Section
                                                                                                   St. or ST.
Q
                       Peak Discharge or Flow Volume
                                                                                                   Sta.
Stab.
                                                                                                                          Stability or Stabilization
                                                                                                                                                                                                                  Coordinate Value (North-South Direction)
                                                                                                   STB
                                                                                                                          Staked Turbidity Barrier
                                                                                                                                                                                             Yr.
```

## UNITS OF MEASURE

US ME	ASUREMENT
AC	Acre
AS	Assembly
BU	Bushel
CF	Cubic Foot
co	Cleanout
CY	Cubic Yard
	Each
ED	Each Day
GA	Gallon
GM	Gross Mile
	Pound
LF	Linear Foot
LM	Lane Mile
LO	
LS	Lump Sum
LU	Luminaire
MB	Thousand Board Measure
	Thousand Gallons
	Man Hour
	Net Mile
PA	Per Analysis
PB	
	Pile
	Per Intersection
	Plant
	Per Mile
	Per Set
	Per Well
SF	Square Foot
	Square Yard
TN	Ton

## METRIC MEASUREMENT

40	A
AS	Assembly
co	Cleanout
DA	Day
EA	Each
ED	Each Day Gross Kilometer
GK HA	Hectare
	Hour
HR KG	
KL	Kilogram Kiloliter
KM	Kilometer
LI	Liter
LK	Lane Kilometer
ĹÒ	Per Location
LS	Lump Sum
LS/AS	Lump Sum Per Assembly
LS/DA	Lump Sum Per Day
LS/EA	Lump Sum Per Each
LS/HA	Lump Sum Per Hectare
LS/KG	Lump Sum Per Kilogram
LS/LS	Lump Sum Per Lump Sum
LS/MT	Lump Sum Per Metric Ton
LS/MI	Lump Sum Per Linear Meter
LS/M2	Lump Sum Per Square Mete
LU	Luminaire
MН	Man Hour
MO	Month
MT	Metric Ton
M/	Meter
M2	Square Meter
М3	Cubic Meter
NK	Net Kilometer
PA	Per Analysis
PB	Per Building
PI	Per Intersection
PI	Plant

Per Well

STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION

## STANDARD ABBREVIATIONS

	Names	Dates	Approve		1 1
Designed By			<u> </u>		Design Engineer
Drawn By			Revision	Sheet No.	Index No.
Checked By			02	2 of 2	001