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| Abbreviation | Meaning | Abbreviation | Meaning | Abbreviation | Meaning |
|-------------------|--|-------------------|--|----------------------|---|
| °C | Celsius (degree) | Blkhd. | Bulkhead | CPT | Cone Penetration Test |
| μ | Micro | BLON | Begin Length Of Need | CR | Control Radius or County Road |
| 2-L | Two-Lane | Blvd. | Boulevard | CRA | Clear Recovery Area |
| 2L1W | Two-Lane One-Way | BM | Bench Mark | Crs. or Cse. | Course |
| 2L2W | Two-Lane Two-Way | Bndry. | Boundary | CS | Curve To Spiral |
| A | Area or Amperes | BO | Basin Outlet | CSIP | Cost Savings Initiative Proposal |
| AAA | American Automobile Association | BOS | Beginning Of Survey | CSL | Cross-hole Sonic Logging |
| AADT | Annual Average Daily Traffic | Bot. | Bottom | CSP | Corrugated Steel Pipe |
| AASHO | American Association Of State Highway Officials | BP | Borrow Pit | CT | Clear Trunk |
| AASHTO | American Association Of State Highway And Transportation Officials | Bq. | Becquerel | Ctlvr. | Cantilever |
| ABC | Asphalt Base Course | Br. | Bridge | CTPB | Cement Treated Permeable Base |
| Abd. | Abandoned | Brg. | Bearing | Ctr., Ctrs. | Center |
| ABS | Acrylonitrile-Butadiene-Styrene Pipe | Brkwy. | Breakaway | CU or Cu | Copper |
| AC or Asph. Conc. | Asphaltic Concrete | BT | Buried Telephone Cable or Duct | Cu. Yd., CY, or C.Y. | Cubic Yard |
| AC, Ac. | Acre | Btfly. | Butterfly | Culv. | Culvert |
| Accel. | Acceleration | Btwn., B/W | Between | Cwt. | Hundredweight |
| ACI | American Concrete Institute | BW | Barbed Wire, Bottom Width or Both Ways | Cyl. | Cylindrical |
| Act. | Actuated | C | Cantilever Length, Cut, Colorless, Coulomb or Cycle Length | D | Degree Of Curvature, Depth, Density, Distance, Diameter or Directional Distribution |
| ADA | Americans With Disabilities Act, The | C & G | Curb And Gutter | D, Dia. or Ø | Diameter |
| Adh. | Adhesive | C.C. | Crash Cushion | DA | Drainage Area or Deflection Angle |
| Adj. | Adjust | C.I.P., C-I-P | Cast In Place | DBH | Diameter At Breast Height |
| ADT | Average Daily Traffic | CA | Coarse Aggregate | DBI | Ditch Bottom Inlet |
| AFAD | Automated Flagger Assistance Device | CAP | Corrugated Aluminum Pipe | Dbl. | Double |
| Agg. | Aggregate | Cap. | Capacity | DCS | Degree Of Curvature (Spiral) |
| Ah. | Ahead | Caps. | Capital Letters | DD | Dry Density |
| AISC | American Institute Of Steel Construction | CASP | Corrugated Aluminized Steel Pipe | DDHV | Directional Design Hour Traffic |
| AISI | American Iron and Steel Institute | CATV | Cable Television | Decel. | Deceleration |
| Alt. | Alternate | CB | Catch Basin | Deg. | Degree |
| Alum., Al. | Aluminum | CBC | Concrete Box Culvert | Delin. | Delineators |
| AM | 12:00 Midnight Until 11:59 Noon | CBS | Concrete Box Structure | Demobl. | Demobilization |
| ANSI | American National Standards Institute | CC, C/C or C to C | Center to Center | Dept. | Department |
| AOS | Apparent Opening Size | CCEW | Center to Center Each Way | Det. | Detour, Detection, Detectable |
| APL | Approved Products List | CCTV | Closed-Circuit Television | DFE | Design Flood Elevation |
| Appl. | Applied, Application | cd | Candela | DGN or Dgn. | Design |
| Apprh. | Approach | CD | Cross Drain, Cross Direction (Geotextiles) | DHV | Design Hourly Volume |
| Approx. | Approximate | Cem. | Cement or Cemetery | DHW | Design High Water |
| ARTBA | American Road & Transportation Builders Association | Cem'd. | Cemented | DHWE | Design High Water Elevation |
| Artf. | Artificial | CF, C.F. | Cubic Foot | DI | Drop Inlet |
| Asph. | Asphalt | CFR | Code of Federal Regulations | Dim. | Dimension |
| Assem. | Assembly | CFS | Cubic Feet Per Second | Disp. | Disposal |
| Assn. | Association | Ch. | Channel | Dist. | Distance |
| Assoc. | Associate, Association | Chchg. | Channel Change | DLS | District Location Surveyor |
| ASTM | American Society For Testing And Materials | Chg. | Changeable | DMM | Domestic Mail Manual |
| ATPB | Asphalt Treated Permeable Base | CI | Cast Iron | DOT | Department Of Transportation |
| Attn. | Attention | CIP | Cast Iron Pipe | DPI or D.P.I. | Ditch Point Intersection |
| Attnuatr. | Attenuator | circ. | Circumference | DR | Design Review |
| Aux. or Auxil. | Auxiliary | CJP | Complete Joint Penetration weld | Dr. | Drain, Drive |
| Ave. | Avenue | Ckt. | Circuit | Driv. | Driven |
| AWG | American Wire Gauge | CL, C/L or Ć | Center Line | Drwy. | Driveway |
| AWS | American Welding Society | Cl. or Clear | Clearance | DS | Design Speed |
| Az | Azimuth | CM | Concrete Monument | DSL | Design Service Life |
| B to B | Back to Back | CMB | Concrete Median Barrier | DT | Ditch |
| B/C, B.C. | Back Of Curb | CMP | Corrugated Metal Pipe | DTOE | District Traffic Operations Engineer |
| Basc. | Bascule | CMPA | Corrugated Metal Pipe Arch | Dwg. | Drawing |
| BC | Bottle Cap or Bolt Circle | CO | Clean Out | E | East or External Distance |
| BCCMP | Bituminous Coated Corrugated Metal Pipe Culvert | Co. | County or Company | e | Superelevation rate |
| BCPA | Bituminous Coated Pipe Arch Culvert | Col. | Column | E to E | End to End |
| BCPCMP | Bituminous Coated And Paved Corrugated Metal Pipe Culvert | Com. | Commercial or Common | E.P. or EOP | Edge Of Pavement |
| BCPPA | Bituminous Coated And Paved Pipe Arch Culvert | COMM | Committee or By Committee | EA or Ea. | Each |
| BCT | Breakaway Cable Terminal | Comp. | Composite | EB | Eastbound |
| BCWE | Base Clearance Water Elevation | Con. | Connect or Connection | ED | Each Day |
| Bd. or Bnd. | Bond or Bonded | Conc. | Concrete | EIA | Electronic Industries Alliance |
| Bdr. | Border | Const. | Construct or Construction | El. or Elev. | Elevation |
| BE | Buried Electric | Cont. | Continuation | Elast. | Elastomeric |
| Beg. | Begin | Contr. | Contractor | Elec. | Electric |
| Bit. | Bituminous | Contrl. | Controller | Ellip. | Elliptical |
| Bk. | Back | Coord. | Coordinate | Embed. | Embedment |
| BL or Ć | Base Line | Cor. | Corner | Embk. | Embankment |
| BLC | Base Line Control | Corr. | Corrugated | Emul. | Emulsified |
| Bldg. | Building | Cov. | Cover | Encl. | Enclosure |
| | | CP | Concrete Pipe | | |
| | | CPE | Corrugated Polyethylene Pipe | | |

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| 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 | Gttr. | 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 | HSV | 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 | | | | |


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| 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 |

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|---------------------------|----------|--------------|---|-------------------------------|-------------------------|----------------------------|
| LAST REVISION 07/01/12 | REVISION | DESCRIPTION: |  2015 DESIGN STANDARDS | STANDARD ABBREVIATIONS | INDEX NO. 001 | SHEET NO. 4 of 4 |
|---------------------------|----------|--------------|---|-------------------------------|-------------------------|----------------------------|

STANDARD SYMBOLS FOR KEY MAP

| | | | | | | | |
|--|--|--|---------------------------------------|--|---|--|---------------------------------------|
| | Highway With Full Control of Access | | Free Ferry | | Residential Area Under Development | | Agricultural Inspection Station |
| | Highway With Frontage Roads | | Toll Ferry | | Lighthouse | | Farmers Market |
| | Highway Interchange | | Canal Or Drainage Ditch | | State Capital | | Game Preserve |
| | Proposed Controlled Access Highway | | Intracoastal Waterway | | County Seat | | Game Checking Station |
| | Divided Highway | | Narrow Stream | | Other City Or Village | | Bird Sanctuary |
| | Hard Surfaced Road | | Wide Stream | | Seminole Indian Village | | Fire Control Headquarters |
| | Soil, Gravel Or Shell Surfaced Road | | Dam | | Welcome Station | | Lookout Tower |
| | Graded And Drained Road | | Dam Or Spillway With Lock | | Wayside Park Or Small Park | | Fire Station |
| | Unimproved Road | | Dam With Road | | Park With Boat Ramp | | Patrol Or Police Station |
| | Primitive Road | | Flood Control Structure | | Boat Ramp | | Correctional Institution Or Road Camp |
| | Private Road | | Lake, Reservoir Or Pond | | Museum | | Department of Transportation Facility |
| | Streets In Inset Or Delimited Areas | | Intermittent Pond | | Recreational Area Or Historic Site | | Coast Guard Station |
| | Extension Of Local Roads Within Cities | | Meandered Lake | | Scenic Site | | Armory |
| | Federal Aid Interstate Highway | | Marsh Or Swamp | | Post Office | | Junkyard |
| | Federal Aid Urban Highway | | Mangroves | | School | | Sanitary Fill |
| | Federal Aid Primary Highway | | Levee Or Dike | | Church | | Sewage Disposal Plant |
| | Federal Aid Secondary Highway | | Levee Or Dike With Road | | Cemetery | | Incinerator |
| | National Forest Road | | Highway Bridge | | Church And Cemetery | | Power Plant |
| | State Forest Road | | Small Bridges Closely Spaced | | Hospital, Health Center Or Rest Home | | Power Substation |
| | State Park Road | | Drawbridge | | Toll House, Port Of Entry Or Weight Station | | Communications Facility |
| | Interstate Highway | | Highway Grade Separation | | Fair Grounds, Race Course Or Rodeo Arena | | Locked Gate Or Fence |
| | US Numbered Highway | | Tunnel | | Mine Or Strip Mine | | Triangulation Station |
| | State Highway | | State Boundary Line | | Governmental Research Station | | |
| | County Road | | County Boundary Line | | | | |
| | Railroad | | Civil Township Boundary | | | | |
| | Double Track Railroad | | Extended Township Line | | | | |
| | Abandoned Railroad | | Land Grant Line | | | | |
| | Railroad Station | | Land Section Line | | | | |
| | Grade Crossing | | State Survey Section Line | | | | |
| | Railroad Above | | Survey By Others | | | | |
| | Railroad Below | | Location Of Inset Boundary Within Map | | | | |
| | Military Field | | Military Reservation Boundary | | | | |
| | Commercial Or Municipal Airport | | College Or University Boundary | | | | |
| | Landing Area Or Strip | | Corporate Limits | | | | |
| | Runways | | Delimited Area, Population Est. | | | | |
| | | | Reservation, Forest Or Park Boundary | | | | |
| | | | Wildlife Refuge Boundary | | | | |

GENERAL NOTE

1. Symbols on this Index are intended for use on all Roadway, Signing And Marking, Signalization, and Lighting projects. For work zone traffic control symbols refer to Index 600. When additional or similar symbols are used, legends or notations may be required for clarity.

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|---------------------------|--------------|------------------------------|-------------------------|------------------|---------------------|
| LAST REVISION 07/01/05 | DESCRIPTION: | 2015 DESIGN STANDARDS | STANDARD SYMBOLS | INDEX NO. 002 | SHEET NO. 1 of 4 |
|---------------------------|--------------|------------------------------|-------------------------|------------------|---------------------|

STANDARD SYMBOLS FOR PLAN SHEETS

GENERAL SYMBOLS

| | | | |
|--|---|--|---|
| | State Line | | Curb |
| | County Line | | Curb And Gutter |
| | Township Line | | Water Well, Spring |
| | Section Line | | Levee |
| | City Line | | Railroad Mile Post |
| | Base Or Survey Line | | Railroad Signal With Gate |
| | Right-Of-Way | | Railroad Switch |
| | Easement Line | | Gate |
| | Limited Access Line | | Pump Island |
| | Fence Line | | Storage Tank (Surface) |
| | National Or State Park Or Forest | | Storage Tank (Underground) |
| | Grant Line | | Mine Or Quarry |
| | Railroad (Drainage Maps) | | Borrow Pit |
| | Railroad (Detail Plans) | | Church |
| | Fence (Limited Access) | | Store |
| | Box Culvert | | Residence |
| | Bridge | | Barn |
| | Pipe Culvert-Mitered End Section | | School |
| | Pipe Culvert-Straight Endwall | | Sediment Barrier |
| | Pipe Culvert-U-Type Endwall | | Floating Turbidity Barrier |
| | Pipe Culvert-Median Drain | | Staked Turbidity Barrier |
| | Pipe Culvert-Other End Treatments | | Stream |
| | 18" SD Storm Drain (Proposed) | | Shore Line |
| | 18" SD Storm Drain (Existing) | | Marsh |
| | Inlet | | Wetland Boundary (Proposed) |
| | Manhole | | Wetland Boundary (Existing) |
| | Tied Longitudinal Joint | | Hedge |
| | Keyed Longitudinal Joint | | Trees |
| | Doweled Transverse Expansion Joint | | Edge Of Wooded Area |
| | Doweled Transverse Contraction Joint | | Shrubbery |
| | Transverse Contraction Joint Without Dowels | | Grove Or Orchard |
| | Survey Reference Point | | Definition Of Skew For Cross Drains And Barrels Of Concrete Box Culverts |
| | ALACHUA Triangulation Station | | Concrete |
| | B.M. ND. 112 Bench Mark | | Wood |
| | Point Of Intersection | | |
| | North Arrow | | |
| | Edges Of Existing Pavement And Sidewalk | | |
| | Guardrail | | |
| | Crash Cushion | | |
| | Piling Pier Column | | |
| | Concrete Monument | | |
| | Base Line | | |
| | Centerline | | |
| | Rate Of Superelevation | | |
| | Property Line | | |
| | Delta Angle | | |
| | Approximate | | |
| | Round Or Diameter | | |
| | Flow Line | | |

UTILITY ADJUSTMENT SYMBOLS

| EXISTING | | PROPOSED | |
|----------|---|----------|-------------------------------|
| | QUALITY LEVEL A (VISUAL ONLY WILL NOT PLOT) | | VALVE COVER SANITARY SEWER |
| | QUALITY LEVEL B (VISUAL ONLY WILL NOT PLOT) | | VALVE COVER GAS |
| | QUALITY LEVEL C (VISUAL ONLY WILL NOT PLOT) | | VALVE COVER WATER NON POTABLE |
| | QUALITY LEVEL D (VISUAL ONLY WILL NOT PLOT) | | VALVE COVER WATER |
| | END OF ELECTRONIC INFORMATION | | VALVE BACK FLOW PREVENTER |
| | TEST HOLE QUALITY LEVEL A | | VENT UNKNOWN |
| | QUALITY LEVEL DELINEATION CHANGE | | VENT GAS |
| | MANHOLE COVER UNKNOWN | | VENT SANITARY SEWER |
| | MANHOLE COVER CABLE TV | | POWER POLE |
| | MANHOLE COVER STORM WATER | | POWER POLE WITH TRANSFORMER |
| | MANHOLE COVER ELECTRIC | | SHARED POLE |
| | MANHOLE COVER GAS | | SHARED POLE WITH TRANSFORMER |
| | MANHOLE COVER SANITARY SEWER | | TELEPHONE POLE |
| | MANHOLE COVER TELEPHONE | | GUY ANCHOR |
| | MANHOLE COVER WATER | | GUY POLE |
| | FIRE HYDRANT | | SERVICE CABINET CABLE TV |
| | METER UNKNOWN | | SERVICE CABINET TELEPHONE |
| | METER ELECTRIC | | GAS REGULATOR |
| | METER GAS | | TELEPHONE BOOTH |
| | METER WATER | | TRANSFORMER POWER |
| | VALVE GAS | | ELECTRICAL OUTLET |
| | VALVE UNKNOWN | | SANITARY DUMP STATION |
| | VALVE SANITARY SEWER | | SANITARY CLEAN OUT |
| | VALVE WATER | | PUMP NON PETROLEUM |
| | VALVE BOX UNKNOWN | | PUMP PETROLEUM/FUEL |
| | VALVE BOX GAS | | PUMP STATION SANITARY SEWER |
| | VALVE BOX WATER | | WATER FAUCET |
| | VALVE BOX SANITARY SEWER | | SPRINKLER |
| | VALVE COVER UNKNOWN | | WELL |
| | | | GAUGES (DESCRIBED) |

See General Notes, Sheet 1

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STANDARD SYMBOLS FOR PLAN SHEETS

See General Notes, Sheet 1

UTILITY ADJUSTMENT SYMBOLS

| EXISTING | EXISTING | PROPOSED |
|--|--|--|
| B T (B) - - - - - BURIED TELEPHONE (QLB) | P E T (B) - - - - - PETROLEUM (QLB) | w w w w w 6" w w w w w Water Main |
| B T (C) - - - - - BURIED TELEPHONE (QLC) | P E T (C) - - - - - PETROLEUM (QLC) | n p w n p w 6" n p w n p w Non Potable Water |
| B T (D) - - - - - BURIED TELEPHONE (QLD) | P E T (D) - - - - - PETROLEUM (QLD) | s s s s s 8" s s s s s Sanitary Sewer |
| B T (B) - - - - - BURIED TELEPHONE DUCT (QLB) | C A S (B) - - - - - PIPE ENCASUREMENT (QLB) | g g g g g 6" g g g g g Gas |
| B T (C) - - - - - BURIED TELEPHONE DUCT (QLC) | C A S (C) - - - - - PIPE ENCASUREMENT (QLC) | r d r d r 4" r d r d r Roof Drain |
| B T (D) - - - - - BURIED TELEPHONE DUCT (QLD) | C A S (D) - - - - - PIPE ENCASUREMENT (QLD) | p e t p e t 8" p e t p e t Petroleum |
| B T (B) - - - - - BURIED TELEPHONE TOLL (QLB) | S (B) - - - - - SANITARY SEWER (QLB) | s t m s t m 12" s t m s t m Steam |
| B T (C) - - - - - BURIED TELEPHONE TOLL (QLC) | S (C) - - - - - SANITARY SEWER (QLC) | c a s c a s 12" c a s c a s Casing |
| B T (D) - - - - - BURIED TELEPHONE TOLL (QLD) | S (D) - - - - - SANITARY SEWER (QLD) | d t d t 4"x4" d t d t Duct |
| B T V (B) - - - - - BURIED CABLE TELEVISION (QLB) | S T M (B) - - - - - STEAM LINE (QLB) | b e b e (7.5 kV) b e b e Buried Electric |
| B T V (C) - - - - - BURIED CABLE TELEVISION (QLC) | S T M (C) - - - - - STEAM LINE (QLC) | o e o e (7.5 kV) o e o e Overhead Electric |
| B T V (D) - - - - - BURIED CABLE TELEVISION (QLD) | S T M (D) - - - - - STEAM LINE (QLD) | b t v b t v 3" b t v b t v Buried Cable Television |
| B T V (B) - - - - - CABLE TV CONDUIT SYSTEM (QLB) | W (B) - - - - - WATER LINE (QLB) | o t v o t v 2" o t v o t v Overhead Cable Television |
| B T V (C) - - - - - CABLE TV CONDUIT SYSTEM (QLC) | W (C) - - - - - WATER LINE (QLC) | b t b t 2" b t b t Buried Telephone |
| B T V (D) - - - - - CABLE TV CONDUIT SYSTEM (QLD) | W (D) - - - - - WATER LINE (QLD) | o t o t 2" o t o t Overhead Telephone |
| C A S (B) - - - - - BURIED CONDUIT (QLB) | B F O (B) - - - - - BURIED FIBER OPTIC CABLE (QLB) | b f o b f o 2" b f o b f o Buried Fiber Optic |
| C A S (C) - - - - - BURIED CONDUIT (QLC) | B F O (C) - - - - - BURIED FIBER OPTIC CABLE (QLC) | o f o o f o 1" o f o o f o Overhead Fiber Optic |
| C A S (D) - - - - - BURIED CONDUIT (QLD) | B F O (D) - - - - - BURIED FIBER OPTIC CABLE (QLD) | |
| B F O (B) - - - - - BURIED FIBER OPTIC POWER (QLB) | N P W (B) - - - - - NON-POTABLE WATER LINE (QLB) | |
| B F O (C) - - - - - BURIED FIBER OPTIC POWER (QLC) | N P W (C) - - - - - NON-POTABLE WATER LINE (QLC) | |
| B F O (D) - - - - - BURIED FIBER OPTIC POWER (QLD) | N P W (D) - - - - - NON-POTABLE WATER LINE (QLD) | |
| B F O (B) - - - - - BURIED FIBER OPTIC TELEPHONE (QLB) | B E (B) - - - - - BURIED POWER (QLB) | |
| B F O (C) - - - - - BURIED FIBER OPTIC TELEPHONE (QLC) | B E (C) - - - - - BURIED POWER (QLC) | |
| B F O (D) - - - - - BURIED FIBER OPTIC TELEPHONE (QLD) | B E (D) - - - - - BURIED POWER (QLD) | |
| G (B) - - - - - GAS (QLB) | S (B) - - - - - SANITARY FORCE MAIN (QLB) | |
| G (C) - - - - - GAS (QLC) | S (C) - - - - - SANITARY FORCE MAIN (QLC) | |
| G (D) - - - - - GAS (QLD) | S (D) - - - - - SANITARY FORCE MAIN (QLD) | |

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STANDARD SYMBOLS FOR PLAN SHEETS

TRAFFIC SIGNALS SYMBOLS

| EXISTING | PROPOSED | |
|----------|----------|--|
| | | Traffic Signal Head (Span Wire Mounted) |
| | | Traffic Signal Head (Pedestal Mounted) |
| | | Traffic Signal Head (Mast Arm Mounted) |
| | | Traffic Signal Pole (Concrete, Wood, Metal) |
| | | Vehicle Detector (Loop) |
| | | Signal Cable (On Messenger Wire) |
| | | Conduit |
| | | Vehicle Detector (Points) |
| | | Pedestrian Detector |
| | | Pedestrian Signal Head (Pole Or Pedestal Mounted) |
| | | Controller Cabinet (Base Mounted) |
| | | Controller Cabinet (Pole Mounted) |
| | | W - D W Walk - Dont Walk |
| | | FDW Flashing Dont Walk |
| | | 5 Signal Face Number |
| | | ○ Signal Lens |
| | | P Programmed Signal Head |
| | | --- Messenger Wire |
| | | 3 Pole Tabulation Cross Reference |
| | | *3 Pole Tabulation Cross Reference (Joint Use Pole) |
| | | ∅ Signal Phase |

LIGHTING SYMBOLS

| EXISTING | PROPOSED | |
|----------|----------|--|
| | | Pole & Luminaire |
| | | Existing Pole & Luminaire To Be Removed |
| | | Final Position Of Relocated Or Adjusted Pole & Luminaire |
| | | High Mast Lighting Tower |
| | | City Or Utility Owned Luminaire & Pole |
| | | PVC (Polyvinyl Chloride) Lighting Conduit And Conductors |
| | | Rigid Galvanized Lighting Conduit And Conductors |
| | | Lighting Pull-Box |
| | | Light Distribution Point |
| | | Joint Use Pole |
| | | Pier Cap Underdeck Luminaire |
| | | Pendant Hung Underdeck Luminaire |

SIGNING AND PAVEMENT MARKING SYMBOLS

| | |
|--|-----------------------------|
| | Pavement Arrow |
| | Single Solid Line |
| | Double Solid Line |
| | Skip Line |
| | Stop Bar |
| | Traffic Sign (Post Mounted) |
| | Traffic Sign (Overhead) |
| | 13 Sign Number |
| | 700-83 Sign Item Number |
| | Traffic Flow Arrow |

See General Notes, Sheet 1

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