

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

| <u>Abbreviation</u> | <u>Meaning</u>   |
|---------------------|--|
| Bd. or Bnd.         | Bond or Bonded   |
| Bdr.                | Border   |
| BE                  | Buried Electric  |
| Beg.                | Begin  |
| Bit.                | Bituminous   |
| Bk.                 | Back   |
| BL or ?             | Base Line  |
| BLC                 | Base Line Control  |
| Bldg.               | Building   |
| Blkhd.              | Bulkhead   |
| BLON                | Begin Length Of Need                                       |
| Bldv.               | Boulevard  |
| BM                  | Bench Mark   |
| Bndry.              | Boundary   |
| BO                  | Basin Outlet   |
| BOS                 | Beginning Of Survey  |
| Bot.                | Bottom   |
| BP                  | Borrow Pit   |
| Bq.                 | Becquerel  |
| Br.                 | Bridge   |
| Brg.                | Bearing  |
| Brkwy.              | Breakaway  |
| BT                  | Buried Telephone Cable or Duct                             |
| Btfly.              | Butterfly  |
| Btwn., B/W          | Between  |
| BW                  | Barbed Wire, Bottom Width or Both Ways                     |
| ----- C -----       |  |
| C                   | Cantilever Length, Cut, Colorless, Coulomb or Cycle Length |
| C & G               | Curb And Gutter  |
| C.C.                | Crash Cushion  |
| C.I.P., C-I-P       | Cast In Place  |
| CA                  | Coarse Aggregate   |
| CAP                 | Corrugated Aluminum Pipe                                   |
| Cap.                | Capacity   |
| Caps.               | Capital Letters  |
| CASP                | Corrugated Aluminized Steel Pipe                           |
| CATV                | Cable Television   |
| CB                  | Catch Basin  |
| CBC                 | Concrete Box Culvert                                       |
| CBS                 | Concrete Box Structure                                     |
| CC, C/C or C to C   | Center to Center   |
| CCEW                | Center to Center Each Way                                  |
| CCTV                | Closed-Circuit Television                                  |
| cd                  | Candela  |
| CD                  | Cross Drain, Cross Direction (Geotextiles)                 |
| Cem.                | Cement or Cemetery   |
| Cem'd.              | Cemented   |
| CF, C.F.            | Cubic Foot   |
| CFR                 | Code of Federal Regulations                                |
| CFRP                | Carbon Fiber Reinforced Polymer                            |
| CFS                 | Cubic Feet Per Second                                      |
| Ch.                 | Channel  |
| Chchg.              | Channel Change   |
| Chg.                | Changeable   |
| CI                  | Cast Iron  |
| CIP                 | Cast Iron Pipe   |
| circ.               | Circumference  |
| CJP                 | Complete Joint Penetration weld                            |
| Ckt.                | Circuit  |
| CL, C/L or C        | Center Line  |
| Cl. or Clear        | Clearance  |
| CM                  | Concrete Monument  |
| CMB                 | Concrete Median Barrier                                    |
| CMP                 | Corrugated Metal Pipe                                      |
| CMPA                | Corrugated Metal Pipe Arch                                 |
| CO                  | Clean Out  |
| Co.                 | County or Company  |

| <u>Abbreviation</u>  | <u>Meaning</u>  |
|----------------------|---|
| Col.                 | Column  |
| Com.                 | Commercial or Common  |
| COMM                 | Committee or By Committee   |
| Comp.                | Composite   |
| Con.                 | Connect or Connection   |
| Conc.                | Concrete  |
| Const.               | Construct or Construction   |
| Cont.                | Continuation  |
| Contr.               | Contractor  |
| Contrl.              | Controller  |
| Coord.               | Coordinate  |
| Cor.                 | Corner  |
| Corr.                | Corrugated  |
| Cov.                 | Cover   |
| CP                   | Concrete Pipe   |
| CPE                  | Corrugated Polyethylene Pipe  |
| CPT                  | Cone Penetration Test   |
| CR                   | Control Radius or County Road   |
| CRA                  | Clear Recovery Area   |
| Crs. or Cse.         | Course  |
| CS                   | Curve To Spiral   |
| CSIP                 | Cost Savings Initiative Proposal  |
| CSL                  | Cross-hole Sonic Logging  |
| CSP                  | Corrugated Steel Pipe   |
| CT                   | Clear Trunk   |
| Ctlvr.               | Cantilever  |
| CTPB                 | Cement Treated Permeable Base   |
| Ctr., Ctrs.          | Center  |
| CU or Cu             | Copper  |
| Cu. Yd., CY, or C.Y. | Cubic Yard  |
| Culv.                | Culvert   |
| Cwt.                 | Hundredweight   |
| Cyl.                 | Cylindrical   |
| ----- D -----        |   |
| D                    | Degree Of Curvature, Depth, Density, Distance, Diameter or Directional Distribution |
| D, Dia. or Ø         | Diameter  |
| DA                   | Drainage Area or Deflection Angle   |
| DBH                  | Diameter At Breast Height   |
| DBI                  | Ditch Bottom Inlet  |
| DbI.                 | Double  |
| DCS                  | Degree Of Curvature (Spiral)  |
| DD                   | Dry Density   |
| DDHV                 | Directional Design Hour Traffic   |
| Decel.               | Deceleration  |
| Deg.                 | Degree  |
| Delin.               | Delineators   |
| Demobl.              | Demobilization  |
| Dept.                | Department  |
| Det.                 | Detour, Detection, Detectable   |
| DFE                  | Design Flood Elevation  |
| DGN or Dgn.          | Design  |
| DHV                  | Design Hourly Volume  |
| DHW                  | Design High Water   |
| DHWE                 | Design High Water Elevation   |
| DI                   | Drop Inlet  |
| Dim.                 | Dimension   |
| Disp.                | Disposal  |
| Dist.                | Distance  |
| DLS                  | District Location Surveyor  |
| DMM                  | Domestic Mail Manual  |
| DOT                  | Department Of Transportation  |
| DPI or D.P.I.        | Ditch Point Intersection  |
| DR                   | Design Review   |
| Dr.                  | Drain, Drive  |
| Driv.                | Driven  |

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| <u>Abbreviation</u>        | <u>Meaning</u>                           |
|----------------------------|--|
| Drwy.                      | Driveway                                 |
| DS                         | Design Speed                             |
| DSL                        | Design Service Life                      |
| DT                         | Ditch                                    |
| DTOE                       | District Traffic Operations Engineer     |
| Dwg.                       | Drawing                                  |
| ----- E -----              |  |
| E                          | East or External Distance                |
| e                          | Superelevation rate                      |
| E to E                     | End to End                               |
| E.P. or EOP                | Edge Of Pavement                         |
| EA or Ea.                  | Each                                     |
| EB                         | Eastbound                                |
| ED                         | Each Day                                 |
| EIA                        | Electronic Industries Alliance           |
| El. or Elev.               | Elevation                                |
| Elast.                     | Elastomeric                              |
| Elec.                      | Electric                                 |
| Ellip.                     | Elliptical                               |
| Embed.                     | Embedment                                |
| Embk.                      | Embankment                               |
| Emul.                      | Emulsified                               |
| Encl.                      | Enclosure                                |
| Engr.                      | Engineer                                 |
| EOS                        | End Of Survey or Equivalent Opening Size |
| EPDM                       | Ethylene Propylene Diene Monomer         |
| Eq.                        | Equation or Equal                        |
| Equip.                     | Equipment                                |
| Esmt.                      | Easement                                 |
| Est.                       | Establish or Established                 |
| Est. or Estm.              | Estimate                                 |
| Etc. or etc.               | Et Cetera (And So Forth)                 |
| ETP                        | Electronic Tough Pitch                   |
| EW                         | Endwall                                  |
| Ex.                        | Except, Example                          |
| Exc. or Excav.             | Excavation                               |
| Exist.                     | Existing                                 |
| Exp.                       | Expansion                                |
| Ext.                       | Extension                                |
| Exwy.                      | Expressway                               |
| ----- F -----              |  |
| F                          | Fill, Farad                              |
| F & I                      | Furnish & Install                        |
| F or Final                 | Final Quantity                           |
| F to F                     | Face to Face                             |
| F.L., FL or $\overline{f}$ | Flow Line                                |
| F.S.                       | Florida Statutes                         |
| FA                         | Federal Aid or Fine Aggregate            |
| FAC                        | Florida Administrative Code              |
| FAP                        | Federal Aid Project                      |
| FBT                        | Florida Bulb Tee                         |
| FC                         | Friction Course                          |
| FD                         | French Drain                             |
| Fdn.                       | Foundation                               |
| FDOT                       | Florida Department Of Transportation     |
| FE                         | Floor Elevation                          |
| Fed.                       | Federal                                  |
| Fert.                      | Fertilizer                               |
| FES                        | Flared End Section                       |
| FETS                       | Flared End Terminal Section              |
| FH                         | Fire Hydrant                             |
| FHWA                       | Federal Highway Administration           |
| FIB                        | Florida I Beam                           |
| Fig.                       | Figure                                   |
| Fin.                       | Finish                                   |
| FL, Fl. or Fla.            | Florida                                  |
| Flex.                      | Flexible                                 |
| FNQ                        | Fuse (Type Slow Burn)                    |

| <u>Abbreviation</u> | <u>Meaning</u>                             |
|---------------------|--|
| FOC                 | Fiber Optics Cable                         |
| FPID                | Financial Project Identification Number    |
| FPM or fpm          | Feet Per Minute                            |
| FPS or fps          | Feet Per Second                            |
| FR or Fr.           | Frame                                      |
| Frang.              | Frangible                                  |
| Freq.               | Frequency                                  |
| FS                  | Far Side                                   |
| FSB                 | Florida Slab Beam                          |
| Ft.                 | Foot or Feet                               |
| FTB                 | Floating Turbidity Barrier                 |
| FTBA                | Florida Transportation Builder Association |
| FTP                 | Florida Traffic Plans                      |
| Furn.               | Furnish                                    |
| ----- G -----       |  |
| G                   | Giga, Gauss or Shear Modulus               |
| g                   | Gram or Gravity                            |
| Ga.                 | Gauge or Gage                              |
| Ga. or Gal.         | Gallon                                     |
| Galv.               | Galvanized                                 |
| Gar.                | Garage                                     |
| GD                  | Gutter Drain                               |
| GFI                 | Ground Fault Interrupter                   |
| GIP                 | Galvanized Iron Pipe                       |
| GM                  | Gas Main                                   |
| GP                  | Grade Point                                |
| Gr.                 | Grade, Guardrail or Grate                  |
| Gr. or Gro.         | Gross                                      |
| Gr. Wt. or gr. wt.  | Gross Weight                               |
| GRC                 | Galvanized Rigid Steel Conduit             |
| Grd.                | Ground                                     |
| GRI                 | Geosynthetic Research Institute            |
| gross km            | Gross Kilometer                            |
| Gttr.               | Gutter                                     |
| ----- H -----       |  |
| h                   | Hecto                                      |
| H                   | Henry                                      |
| H.S., HS            | High Strength                              |
| ha                  | Hectare                                    |
| HAR                 | Highway Advisory Radio                     |
| HB                  | Hay Bales                                  |
| HC                  | Horizontal Clearance                       |
| HD                  | High Density or Heavy Duty                 |
| Hd.                 | Head                                       |
| HDPE                | High Density Polyethylene                  |
| Hdwl.               | Headwall                                   |
| HH                  | Heavy Hex                                  |
| Hndrl.              | Handrail                                   |
| HOA                 | Hand/Off/Automatic                         |
| Horiz. or Hor.      | Horizontal                                 |
| HOT                 | High Occupancy Tolls                       |
| HOV                 | High Occupancy Vehicle                     |
| HP                  | High Pressure or Horsepower                |
| Hr.                 | Hour                                       |
| Hse.                | House                                      |
| HSHV                | High Strength Horizontal Vertical          |
| Ht.                 | Height                                     |
| HW or H.W.          | High Water or Hot Water                    |
| Hwy.                | Highway                                    |
| Hyd.                | Hydraulic                                  |
| Hz                  | Hertz                                      |
| ----- I -----       |  |
| I                   | External Angle (Delta), Interstate         |
| ID, I.D.            | Inside Diameter or Identification          |
| IES                 | Illuminating Engineering Society           |
| IMC                 | Intermediate Metal Conduit                 |
| in.                 | Inch(es)                                   |
| Inc.                | Incorporated or Including                  |

| <u>Abbreviation</u> | <u>Meaning</u>  |
|---------------------|---|
| Incl. or Inc.       | Included  |
| Ind.                | Industry or Industrial  |
| Install.            | Installed   |
| Int.                | Interior  |
| Intchg. or Ichg.    | Interchange   |
| Inter.              | Intermediate  |
| Inv.                | Invert  |
| IP                  | Iron Pipe   |
| IR                  | Iron Rod  |
| Isect.              | Intersection  |
| Isl.                | Island  |
| ITE                 | Institute Of Transportation Engineers   |
| ITS                 | Intelligent Transportation Systems  |
| ----- J -----       |   |
| J                   | Joule   |
| JB                  | Junction Box  |
| Jct.                | Junction  |
| Jt.                 | Joint   |
| ----- K -----       |   |
| K                   | Design Hour Factor  |
| K                   | Kelvin  |
| k                   | Kilo (prefix)   |
| kg                  | Kilogram  |
| kg/m                | Kilogram Per Meter  |
| kg/m <sup>2</sup>   | Kilogram Per Square Meter   |
| kg/m <sup>3</sup>   | Kilogram Per Cubic Meter  |
| Kilo                | One Thousand  |
| Kip                 | 1000 Pounds   |
| km                  | Kilometer   |
| km/h                | Kilometer Per Hour  |
| kN                  | Kilonewton  |
| kn                  | Knot  |
| kPa                 | Kilopascal  |
| ksi                 | Kips Per Square Inch  |
| kV                  | Kilovolt  |
| kVA                 | Kilovolt Ampere   |
| kWh                 | Kilowatt-hour   |
| ----- L -----       |   |
| L                   | Length, Length Of Curve, Liter, Left or Taper Length, Buffer Length or Taper Length plus Buffer Space |
| L/W                 | Lightweight   |
| LA or L/A           | Limited Access  |
| Lat.                | Lateral or Latitude   |
| lb                  | Pound(s)  |
| lb/sy               | Pounds Per Square Yard  |
| lbf                 | Pound force   |
| LBR                 | Lime rock Bearing Ratio   |
| LC                  | Long Chord  |
| LCD                 | Longitudinal Channelizing Device  |
| LEO                 | Law Enforcement With Flashing Lights And Radar  |
| LF                  | Linear Foot (Feet)  |
| LFD                 | Load Factor Design  |
| Lgth.               | Length  |
| Lin.                | Linear  |
| LM                  | Lane Mile   |
| lm                  | Lumen   |
| Lmrk.               | Lime rock   |
| Loc.                | Location  |
| Long.               | Longitude   |
| LOS                 | Limit Of Clear Sight  |
| LRFD                | Load Resistance Factor Design   |
| LRS                 | Low-Relaxation  |
| LS                  | Length Of Spiral  |
| LS                  | Lump Sum  |
| LT                  | Left Turn   |

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| <u>Abbreviation</u> | <u>Meaning</u>                                |
|---------------------|---|
| Lt.                 | Left  |
| Ltd.                | Lighted or Limited                            |
| LU, Lum.            | Luminaire                                     |
| Ix                  | Lux   |
| ----- M -----       |   |
| M                   | Mass, Middle Ordinate Length or Mega          |
| m                   | Meter or Milli                                |
| m <sup>2</sup>      | Meter Square                                  |
| m/s                 | Meters Per Second                             |
| m <sup>3</sup>      | Meter Cubed or Cubic Meter                    |
| m <sup>3</sup> /m   | Meter Cubed Per Meter                         |
| Mach.               | Machine                                       |
| Maint.              | Maintenance                                   |
| MAS                 | Motorist Awareness System                     |
| MASH                | Manual for Assessing Safety Hardware (AASHTO) |
| Matl.               | Material                                      |
| Max.                | Maximum                                       |
| MB                  | Median Barrier                                |
| MBM                 | Thousand (Feet) Board Measure                 |
| MD                  | Machine Direction (Geotextiles)               |
| Med.                | Median  |
| Mega                | One Million                                   |
| Memb.               | Member  |
| MES                 | Mitered End Section                           |
| Mess.               | Message                                       |
| Mfg.                | Manufactured or Manufacturer                  |
| MG                  | 1000 Gallons                                  |
| MH, M.H.            | Manhole or Mounting Height                    |
| MHW                 | Mean High Water                               |
| Mi.                 | Mile  |
| Micro               | One-Millionth                                 |
| Mid.                | Middle  |
| Mil                 | One-Thousandth Of An Inch                     |
| Mil.                | Military                                      |
| Milli               | One-Thousandth                                |
| Min.                | Minimum or Minute                             |
| Misc.               | Miscellaneous                                 |
| mL                  | Milliliter                                    |
| MLW                 | Mean Low Water                                |
| mm                  | Millimeter                                    |
| Mobl.               | Mobilization                                  |
| Mod.                | Modify or Modified                            |
| Mol                 | Mole  |
| Mon.                | Monument                                      |
| MOT                 | Maintenance Of Traffic                        |
| MOTC                | Maintenance Of Traffic Committee              |
| MP                  | Mile Post                                     |
| MPa                 | Megapascal                                    |
| MPH or mph          | Miles Per Hour                                |
| MSL                 | Mean Sea Level                                |
| Mtd.                | Mounted                                       |
| MUTCD               | Manual On Uniform Traffic Control Devices     |
| MUTS                | Manual On Uniform Traffic Studies             |
| ----- N -----       |   |
| N                   | North or Newton                               |
| N & C               | Nail & Cap                                    |
| N & D               | Nail & Disk                                   |
| N.P.                | Non Plastic                                   |
| N/m                 | Newtons Per Meter                             |
| N/m <sup>2</sup>    | Newtons Per Square Meter                      |
| N/mm <sup>2</sup>   | Newtons Per Square Millimeter                 |
| N/m <sup>3</sup>    | Newtons Per Cubic Meter                       |
| NA or N/A           | Not Available or Not Applicable               |
| NAVD                | National American Vertical Datum              |
| NB                  | Northbound                                    |
| NC                  | National Coarse or Normal Crown               |

| <u>Abbreviation</u>    | <u>Meaning</u>                                       |
|------------------------|--|
| NCHRP                  | National Cooperative Highway Research Program        |
| NDCBU                  | Neighborhood Delivery And Collection Box Unit        |
| NE                     | Northeast  |
| NEMA                   | National Electrical Manufacturers Association        |
| net km                 | Net Kilometer  |
| NGS                    | National Geodetic Survey                             |
| NGVD                   | National Geodetic Vertical Datum of 1929             |
| NHS                    | National Highway System                              |
| NHW                    | Normal High Water                                    |
| NIC                    | Not In Contract                                      |
| NJ                     | New Jersey   |
| NM                     | Net Mile   |
| Nm                     | Newton Meter   |
| No.                    | Number   |
| Nom.                   | Nominal  |
| Norm.                  | Normal   |
| NPS                    | Nominal Pipe Size                                    |
| NPT                    | National Pipe Thread                                 |
| NRCP                   | Non-Reinforced Concrete Pipe                         |
| NRTL                   | Nationally Recognized Testing Laboratory             |
| NS                     | Non Stress, Not Suitable or Near Side                |
| NT, N&T                | Non Traffic, Nail & Tin                              |
| NTS                    | Not To Scale   |
| NW                     | Northwest  |
| ----- O -----          |  |
| 0 to 0, o to o or 0.0. | Out to Out   |
| O.B.G.                 | Optional Base Group                                  |
| OA                     | Overall  |
| OC or O.C.             | On Center  |
| OD or O.D.             | Outside Diameter                                     |
| OE                     | Overhead Electric                                    |
| OH, OHD or Ohd.        | Overhead   |
| Opass                  | Overpass   |
| Opt.                   | Option, Optional or Optically                        |
| OT                     | Overhead Telephone                                   |
| Oz.                    | Ounce  |
| ----- P -----          |  |
| P                      | Passenger Car & Light Delivery Truck                 |
| P or Plan              | Plan Quantity  |
| Pa                     | Pascal   |
| Pa.s                   | Pascal Second  |
| Par.                   | Parallel   |
| Part.                  | Participation or Partition                           |
| Pavt.                  | Pavement   |
| PBR                    | Pedestrian/Bicycle Railing                           |
| PC                     | Point Of Curvature                                   |
| PCBC                   | Precast Concrete Box Culvert                         |
| PCC                    | Point Of Compound Curvature or Plain Cement Concrete |
| PCE                    | Permanent Construction Easement                      |
| PCF, pcf               | Pounds per Cubic Foot                                |
| PCMS                   | Portable Changeable Message Sign                     |
| P.E. or PE             | Professional Engineer                                |
| Ped                    | Pedestrian or Pedestal                               |
| Pen.                   | Penetration  |
| PG                     | Profile Grade  |
| PGL                    | Profile Grade Line                                   |
| pH                     | Measure Of Acidity or Alkalinity                     |
| Ph.                    | Phase  |
| PI                     | Point Of Intersection                                |
| Pkg.                   | Parking  |
| Pkwy.                  | Parkway  |
| PL or P                | Property Line or Plate                               |
| PM                     | 12:00 Noon Until 11:59 Midnight                      |
| POC                    | Point On Curve                                       |

| <u>Abbreviation</u> | <u>Meaning</u>                                |
|---------------------|---|
| POST                | Point On Semi-Tangent                         |
| POT                 | Point On Tangent                              |
| PP                  | Power Pole                                    |
| PPB                 | Pier Protection Barrier                       |
| PPP                 | Polypropylene pipe                            |
| Pr.                 | Pair  |
| PRC                 | Point Of Reverse Curvature                    |
| Prcst.              | Precast                                       |
| Prest.              | Prestressed                                   |
| PRM                 | Permanent Reference Monument                  |
| Prob.               | Probability                                   |
| Prod.               | Product, Production, Producer or Produced     |
| Prog.               | Program or Progression                        |
| Proj.               | Project or Projection                         |
| Prop.               | Proposed                                      |
| Prov.               | Provisions                                    |
| PRS                 | Portable Regulatory Sign                      |
| PS & E              | Plans, Specifications And Estimates           |
| PSF or psf          | Pounds Per Square Foot                        |
| PSI or psi          | Pounds Per Square Inch                        |
| PSU                 | Prestressed Slab Unit                         |
| PT                  | Point Of Tangency or Pressure Treated         |
| PTFE                | Polytetrafluoroethylene                       |
| PVC                 | Polyvinyl Chloride                            |
| PW                  | Pressure Water                                |
| ----- Q -----       |   |
| Q                   | Peak Discharge or Flow Volume                 |
| ----- R -----       |   |
| R or Rad.           | Radius  |
| R or Rng.           | Range   |
| R, Rt.              | Right   |
| r/s                 | Revolution Per Second                         |
| R/W, ROW            | Right Of Way                                  |
| rad                 | Radian  |
| rad/s               | Radian Per Second                             |
| RBAC                | Rock Base Asphaltic Concrete                  |
| RBST                | Rock Base Surface Treatment                   |
| RC                  | Reverse Crown                                 |
| RCP                 | Reinforced Concrete Pipe                      |
| RCPA                | Reinforced Concrete Pipe Arch                 |
| Rd.                 | Road or Round                                 |
| Rdsd.               | Roadside                                      |
| Rdwy.               | Roadway                                       |
| Rec.                | Recovery                                      |
| Rect.               | Reticuline or Rectangular                     |
| Ref.                | Reference                                     |
| RefI.               | Reflective                                    |
| Reg.                | Region, Regular, Registered or Regulation     |
| Reinf.              | Reinforced or Reinforcing                     |
| Rejuv.              | Rejuvenation                                  |
| Reloc.              | Relocated                                     |
| Rem.                | Removal                                       |
| Repl.               | Replace                                       |
| Req. or Reqd.       | Required                                      |
| Res.                | Residence or Residential                      |
| RGS                 | Rigid Galvanized Steel                        |
| RHW                 | Insulation (Moisture & Heat Resistant Rubber) |
| RM                  | Reference Monument                            |
| RP                  | Reference Point                               |
| RPM                 | Raised Reflective Pavement Markers            |
| rpm or r/min        | Revolution Per Minute                         |
| RR                  | Railroad                                      |
| RSDU                | Radar Speed Display Unit                      |
| Rsf.                | Resurface                                     |
| RU                  | Rack Unit                                     |
| RX                  | Receive                                       |

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| <u>Abbreviation</u>  | <u>Meaning</u>                           |
|----------------------|--|
| <b>S</b>             |  |
| S or s               | Speed, South, Siemens, Or Second         |
| SAHM                 | Sand-Asphalt Hot Mix                     |
| San.                 | Sanitary                                 |
| SB                   | Southbound                               |
| SBAC                 | Shell Base Asphaltic Concrete            |
| SBRM                 | Sand Bituminous Road Mix                 |
| SBST                 | Shell Base Surface Treatment             |
| SC                   | Seal Coat                                |
| SC                   | Spiral To Curve                          |
| Sch.                 | Schedule                                 |
| SCST                 | Sand-Clay Surface Treatment              |
| SD                   | Side Drain, Storm Drain                  |
| SD                   | Storm Drain                              |
| SE                   | Southeast                                |
| Sec.                 | Second                                   |
| Sect.                | Section                                  |
| Sed.                 | Sediment                                 |
| Sep.                 | Separator                                |
| Seq.                 | Sequential                               |
| Serv.                | Service                                  |
| SF                   | Adjustment Factor In Percent, Silt Fence |
| SG                   | Specific Gravity                         |
| SG, Subgr.           | Subgrade                                 |
| SHBR                 | Special Height Bicycle Railing           |
| Sh. or Sht.          | Sheet                                    |
| Shldr.               | Shoulder                                 |
| SHW                  | Seasonal High Water                      |
| SIP                  | Stay In Place                            |
| SLEO                 | Speed and Law Enforcement Officer        |
| SP                   | Superpave                                |
| Spa., Spcg. or Sp.   | Space(ing)(s)                            |
| Spec.                | Specification                            |
| SPT                  | Standard Penetration Test                |
| sq                   | Square                                   |
| Sq. Ft., SF, or S.F. | Square Foot                              |
| sq. in.              | Square Inch                              |
| Sq. Yd., SY or S.Y.  | Square Yard                              |
| SR or S.R.           | State Road                               |
| SRAP                 | Spiral Rib Aluminum Pipe                 |
| SRASP                | Spiral Rib Aluminized Steel Pipe         |
| SRCP                 | Steel Reinforced Concrete Pipe           |
| SRD                  | State Road Department                    |
| SRSP                 | Spiral Rib Steel Pipe                    |
| SS                   | Sanitary Sewer, Stainless Steel          |
| SSMD                 | Solid State Modular Design               |
| ST                   | Surface Treatment or Spiral To Tangent   |
| St. or ST.           | Street                                   |
| Sta.                 | Station                                  |
| Stab.                | Stability or Stabilization               |
| STB                  | Staked Turbidity Barrier                 |
| Std.                 | Standard                                 |
| Stg.                 | Strong                                   |
| Stge.                | Storage                                  |
| Stl.                 | Steel                                    |
| Str.                 | Structure                                |
| Sty.                 | Story                                    |
| SU                   | Single Unit Trucks                       |
| Sub. or Subs.        | Subsoil                                  |
| Sub. or Subst.       | Substitute                               |
| Suppts.              | Supports                                 |
| Sur.                 | Survey                                   |
| Surf.                | Surface                                  |
| Sv                   | Sievert                                  |
| SW                   | Southwest                                |
| SW or Swk.           | Sidewalk                                 |
| Sym.                 | Symmetrical                              |
| Sys. or Syst.        | System                                   |

| <u>Abbreviation</u> | <u>Meaning</u>  |
|---------------------|---|
| <b>T</b>            |   |
| t                   | Metric Ton  |
| 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   |
| THRMPSTC            | Thermoplastic Insulation (Flame Retardant, Moisture And Heat Resistant) |
| THW or THWN         | Thermoplastic Truck   |
| 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   |
| <b>U</b>            |   |
| UG                  | Underground   |
| UL                  | Underwriters Laboratories   |
| Ult.                | Ultimate  |
| Ult.                | 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   |
| <b>V</b>            |   |
| 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  |

| <u>Abbreviation</u> | <u>Meaning</u>                                  |
|---------------------|---|
| <b>W</b>            |   |
| 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                      |
| 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                         |
| <b>X</b>            |   |
| X                   | Coordinate Value (East-West Direction) or Extra |
| X Rd.               | Cross Road                                      |
| Xing.               | Crossing  |
| Xsec.               | Cross Section                                   |
| <b>Y</b>            |   |
| Y                   | Coordinate Value (North-South Direction)        |
| Yd.                 | Yard  |
| Yr.                 | Year  |
| Ω                   | Ohm   |

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