Abbreviation	Meaning	Abbreviation	Meaning	Abbreviation	Meaning	
<u>~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~</u>	Celsius (degree)	Bd. or Bnd.	Bond or Bonded		Column	
μ	Micro	Bdr.	Border	Com.	Commercial or Con	nmon
2-L	Two-Lane	BE	Buried Electric	COMM	Committee or By C	ommittee
	Two-Lane One-Way	Beg.	Begin	Comp.	Composite	
2L2W	Two-Lane Two-Way	Bit.	Bituminous	Con.	Connect or Connect	tion
-	Araz ar Amparas	Bk.	Back	Conc.	Concrete	
	Area or Amperes American Automobile Association	BL or B	Base Line	Const.	Construct or Const	truction
AADT	Annual Average Daily Traffic	BLC	Base Line Control	Cont.	Continuation	
AASH0	American Association Of State Highway Officials	Bldg. Blkhd.	Building Bulkhead	Contr. Contrl.	Contractor Controller	
AASHT0	American Association Of State Highway And	BLON	Begin Length Of Need	Coord.		
	Transportation Officials	BIvd.	Boulevard		Corner	
	Asphalt Base Course		Bench Mark		Corrugated	
Abd.	Abandoned	Bndry.	Boundary	Cov.	9	
ABS	Acrylonitrite-Butadiene-Styrene Pipe	BO	Basin Outlet	CP	Concrete Pipe	
AC or Asph. Conc.	Asphaltic Concrete	BOS	Beginning Of Survey	CPE	Corrugated Polyeti	hylene Pipe
AC, Ac.		Bot.	Bottom	CPT	Cone Penetration 7	
Accel. ACI	Acceleration American Concrete Institute	BP	Borrow Pit	CR	Control Radius or	
Act.	Actuated	Bq.	Becquerel	CRA	Clear Recovery Ar	ea
ACC. ADA	Actuated Americans With Disabilities Act, The	Br.	Bridge	Crs. or Cse.	Course	
Adh.	Adhesive	3	Bearing		Curve To Spiral	
Ad j.	Adjust	,	Breakaway		Cost Savings Initia	
ADT	Average Daily Traffic		Buried Telephone Cable or Duct	CSL	Cross-hole Sonic L	
AFAD	Automated Flagger Assistance Device		Butterfly Between	CSP CT	Corrugated Steel I Clear Trunk	Pipe
Agg.	Aggregate		Barbed Wire, Bottom Width or Both Ways	Ctlvr.	Cantilever	
Ah.	Ahead		with or both ways	CTPB	Cement Treated Pe	ermeable Base
AISC	American Institute Of Steel Construction		Cantilever Length, Cut, Colorless, Coulomb	Ctr., Ctrs.	Center	Timeable base
AISI	American Iron and Steel Institute		or Cycle Length	CU or Cu		
Alt.	Alternate		Curb And Gutter	Cu. Yd., CY, or C.Y.		
Alum., Al.	Aluminum		Crash Cushion		Culvert	
AM	12:00 Midnight Until 11:59 Noon	•	Cast In Place	Cwt.	Hundredweight	
ANSI	American National Standards Institute		Coarse Aggregate	Cyl.		
AOS APL	Apparent Opening Size Approved Products List		Corrugated Aluminum Pipe Capacity		D	5
APL Appl.	Applied, Application	Сар. Caps.	Capital Letters	D	Degree Of Curvatu	
Appr Apprh.	Approach	· ·	Corrugated Aluminized Steel Pipe		Density, Distance,	
	Approximate			D Dia or Ø	or Directional Dist	rribution
	American Road & Transportation Builders		Catch Basin	D, Dia. or Ø DA	Diameter Drainage Area or	Dofloction Anglo
	Association		Concrete Box Culvert	DA DBH	Diameter At Breas	
	Artificial		Concrete Box Structure	DBI	Ditch Bottom Inlet	rieigii
	Asphalt	CC, C/C or C to C	Center to Center	Dbl.	Double	
	Assembly	CCEW	Center to Center Each Way		Degree Of Curvatu	ıre (Spiral)
	Association		Closed-Circuit Television	DD	Dry Density	, , ,
	Associate, Association		Candela	DDHV	Directional Design	Hour Traffic
	American Society For Testing And Materials		Cross Drain, Cross Direction (Geotextiles)	Decel.	Deceleration	
	Asphalt Treated Permeable Base Attention	Cem.	Cement or Cemetery	Deg.	Degree	
	Attenuator		Cemented	Delin.	Delineators	
Attiluati . Aux. or Auxil.	Auxiliary		Cubic Foot	Demobl.	Demobilization	
	Avenue		Code of Federal Regulations Carbon Fiber Reinforced Polymer	Dept.	Department	D
	American Wire Gauge		Cubic Feet Per Second	Det.	Detour, Detection,	
	American Welding Society		Channel	DFE DCN or Dan	Design Flood Eleva	ation
Az	Azimuth		Channel Change	DGN or Dgn.	Design Hourly Vol	umo
	B		Changeable	DHV DHW	Design Hourly Vol Design High Water	
	Back to Back		Cast Iron	DHWE DHWE	Design High Water	
	Back Of Curb		Cast Iron Pipe	DI	Drop Inlet	ETCVACION
Basc.	Bascule		Circumference	Dim.	Dimension	
	Bottle Cap or Bolt Circle Bituminaus Control Corrugated Motal Bina		Complete Joint Penetration weld	Disp.	Disposal	
BCCMP	Bituminous Coated Corrugated Metal Pipe Culvert		Circuit	Dist.	Distance	
ВСРА	Bituminous Coated Pipe Arch Culvert	CL, C/L or Q		DLS	District Location S	Gurveyor
	Bituminous Coated And Paved Corrugated Metal	Cl. or Clear		DMM	Domestic Mail Man	•
	Pipe Culvert		Concrete Monument	DOT	Department Of Tra	
BCPPA	Bituminous Coated And Paved Pipe Arch Culvert		Concrete Median Barrier	DPI or D.P.I.	Ditch Point Interse	ection
DCT	·		Corrugated Metal Pipe	DR	Design Review	
BCT BCW F	Breakaway Cable Terminal Base Clearance Water Elevation		Corrugated Metal Pipe Arch	Dr.	Drain, Drive	
DUWE	Dase Clearance water Elevation		Clean Out	Driv.	Driven	
T 1		Co.	County or Company			Т
LAST DESCRIPTION	ON:	SST FY 2016-17				INDEX SHEET
REVISION S		FDOT() F1 2016-17	STANDARD) ABBREVIATIONS		NO. NO.



	Abbreviation	Meaning	Abbr	eviation M	Meaning	Abbreviation	Meaning	
		Driveway			iber Optics Cable	Incl. or Inc.	<u>Included</u>	
		Design Speed			inancial Project Identification Number	Ind.	Industry or Industrial	
		Design Service Life	FPI		eet Per Minute		Installed	
	DT	Ditch	FP	Sorfps F	eet Per Second	Int.	Interior	
	DT0E	District Traffic Operations Engineer		Ror Fr. F		Intchg. or Ichg.	Interchange	
	Dwg.	Drawing		Frang. F	rangible	Inter.	Intermediate	
	-	<u> </u>		Freq. F	requency	Inv.	Invert	
		East or External Distance		FS F	ar Side	IP	Iron Pipe	
	e	Superelevation rate			oot or Feet	IR	Iron Rod	
		End to End			loating Turbidity Barrier	Isect.	Intersection	
		Edge Of Pavement			lorida Transportation Builder Association	Isl.	Island	
	EA or Ea. EB	Eastbound			lorida Traffic Plans	ITE	Institute Of Transportation Engineers	5
	ED .	Each Day		_	urnish 	ITS	Intelligent Transportation Systems	
	EIA	Electronic Industries Alliance		•	iga, Gauss or Shear Modulus		Joule	
	El. or Elev.	Elevation			Gram or Gravity	JB	Junction Box	
	Elast.	Elastomeric		Ga. G	lauge or Gage	Jct.	Junction	
	Elec.	Electric	Ga	n. or Gal. G	allon	Jt.	Joint	
	Ellip.	Elliptical		Galv. G	ialvanized	<i>k</i>	(
	Embed.	Embedment		Gar. G	arage	K	Design Hour Factor	
	Embk.	Embankment			Gutter Drain	K	Kelvin	
	Emul.	Emulsified			Fround Fault Interrupter	k	Kilo (prefix)	
	Encl.	Enclosure			Calvanized Iron Pipe	, kg	Kilogram	
	Engr.	Engineer			as Main		Kilogram Per Meter	
		End Of Survey or Equivalent Opening S	orze		irade Point	kg/m ²	Kilogram Per Square Meter	
	EPDM	Ethylene Propylene Diene Monomer	C.		rade, Guardrail or Grate	kg/m³	Kilogram Per Cubic Meter One Thousand	
	Eq.	Equation or Equal			ross Tross Weight	Kilo Kip	1000 Pounds	
	Equip. Esmt.	Equipment Easement	01. Wt. C	-	alvanized Rigid Steel Conduit	km	Kilometer	
	Est.	Establish or Established			Fround	km/h	Kilometer Per Hour	
	Est. or Estm.	Estimate			Geosynthetic Research Institute	k N	Kilonewton	
		Et Cetera (And So Forth)			Gross Kilometer	kn	Knot	
	ETP	Electronic Tough Pitch		Gttr. G	lutter	kPa	Kilopascal	
	EW	Endwall		• •		ksi	Kips Per Square Inch	
	Ex.	Except, Example			Hecto	kV	Kilovolt	
	Exc. or Excav.	Excavation			Henry	kVA	Kilovolt Ampere	
		T			ligh Strength Hectare	kWh	Kilowatt-hour 	
		Expansion Extension			Highway Advisory Radio	I	Length, Length Of Curve, Liter, Left	
		Expressway			Hay Bales	_	or Taper Length, Buffer Length	
	<i>I</i>				Horizontal Clearance		or Taper Length plus Buffer Space	
	F	Fill, Farad		HD H	High Density or Heavy Duty	L/W	Lightweight	
		Furnish & Install		Hd. H	Head	LA or L/A	Limited Access	
		Final Quantity			ligh Density Polyethylene	Lat.	Lateral or Latitude	
		Face to Face			Headwall	Ib	Pound(s)	
	F.L., FL or E				Heavy Hex	lb/sy	Pounds Per Square Yard	
		Florida Statutes			Handrail	lbf	Pound force	
		Federal Aid or Fine Aggregate Florida Administrative Code	Horiz		Hand/Off/Automatic Horizontal	LBR LC	Lime rock Bearing Ratio Long Chord	
		Federal Aid Project	110112		High Occupancy Tolls	LCD	Longitudinal Channelizing Device	
	FBT	Florida Bulb Tee			High Occupancy Vehicle		Law Enforcement With Flashing	
		Friction Course			ligh Pressure or Horsepower		Lights And Radar	
	FD	French Drain			lour	LF	Linear Foot (Feet)	
	Fdn.	Foundation		Hse. H	House	LFD	Load Factor Design	
	FDOT	Florida Department Of Transportation		HSHV H	High Strength Horizontal Vertical	Lgth.	Length	
		Floor Elevation			leight	Lin.	Linear	
		Federal	HV		ligh Water or Hot Water	LM	Lane Mile	
		Fertilizer		•	lighway	I m	Lumen	
		Flared End Section Flared End Terminal Section			lydraulic Hertz	Lmrk.	Lime rock	
		Fire Hydrant		_		Loc. Long.	Location Longitude	
		Federal Highway Administration		ΙE	external Angle (Delta), Interstate		Limit Of Clear Sight	
		Florida I Beam			nside Diameter or Identification		Load Resistance Factor Design	
		Figure			lluminating Engineering Society	LRS	Low-Relaxation	
		Finish			ntermediate Metal Conduit	LS	Length Of Spiral	
	FL, Fl. or Fla.	Florida			nch(es)	LS	Lump Sum	
		Flexible		Inc. II	ncorporated or Including	LT	Left Turn	
		Fuse (Type Slow Burn)	<u></u>					
.^J' [C	DESCRIPTION:		FY 20	16-17			INDEX	SHEET
/ISION	181		FDOT DECICAL CT		STANDAR	RD ABBREVIATIONS	NO.	NO.

LAST REVISION 07/01/15

FDOT DESIGN STANDARDS

2 of 4

AST	NC DESCRIPTION:	National Coarse or Normal Crown	FY 2016-17	Point On Curve		INDEX SHEET
	NC	National Coarse or Normal Crown	POC	Point On Curve		
	NB	Northbound	PM	12:00 Noon Until 11:59 Midnight	RX	Receive
		National American Vertical Datum	PL or PL	Property Line or Plate	RU	Rack Unit
		Not Available or Not Applicable	Pkwy.	Parkway	Rsf.	Resurface
		Newtons Per Square Minimeter Newtons Per Cubic Meter	Pkg.	Parking	RSDU	Radar Speed Display Unit
		Newtons Per Square Meter Newtons Per Square Millimeter	PN. PI	Phase Point Of Intersection	rpm or r/min RR	Revolution Per Minute Railroad
		Newtons Per Meter	рН Рh.	Measure Of Acidity or Alkalinity Phase	RPM	Raised Reflective Pavement Markers
		Non Plastic	PGL	Profile Grade Line	RP -	Reference Point
	N & D	Nail & Disk	PG	Profile Grade	RM	Reference Monument
		Nail & Cap	Pen.	Penetration	RHW	Insulation (Moisture & Heat Resistant Rubber)
		North or Newton	P.E. 01 PE Ped	Pedestrian or Pedestal	RGS	Rigid Galvanized Steel
		Manual On Uniform Traffic Studies I	PCMS P.E. or PE	3 3	Req. or Reqd. Res.	Required Residence or Residential
		Manual On Uniform Traffic Control Devices	PCF, pcf	Pounds per Cubic Foot Bortable Changeable Message Sign	Repl.	Replace
	Mtd.	Mounted	PCE		Rem.	Removal
	MSL MSL	Mean Sea Level	7 66	Cement Concrete	Reloc.	Relocated
		Miles Per Hour	PCC	Point Of Compound Curvature or Plain	Rejuv.	Rejuvenation
		Megapascal	PC PCBC	Procest Concrete Box Culvert	Reinf.	Reinforced or Reinforcing
	MOTC MP	Maintenance Of Traffic Committee Mile Post	Pavt. PC	Pavement Point Of Curvature	Ren. Reg.	Region, Regular, Registered or Regulation
		Maintenance Of Traffic	Part.	Participation or Partition	Ref. Refl.	Reference Reflective
		Monument	Par.	Parallel	Rect.	Reticuline or Rectangular
		Mole	Pa∙s	Pascal Second	Rec.	Recovery
	Mod.	Modify or Modified	Pa		Rdwy.	Roadway
	Mobl.	Mobilization	P or Plan	Plan Quantity	Rdsd.	Roadside
	™LW mm	Mean Low Water Millimeter		P Passenger Car & Light Delivery Truck	Rd.	Road or Round
	mL MLW	Milliliter Mean Low Water	0z.	Ounce P	RCPA RCPA	Reinforced Concrete Pipe Reinforced Concrete Pipe Arch
		Miscellaneous Millilitar	OT	Overhead Telephone	RC RCP	Reverse Crown Reinforced Concrete Pipe
		Minimum or Minute	Opt.	Option, Optional or Optically	RBST	Rock Base Surface Treatment
		One-Thousandth	Opass	Overpass	RBAC	Rock Base Asphaltic Concrete
	Mil.	Military	OH, OHD or Ohd.	Overhead	rad/s	Radian Per Second
		One-Thousandth Of An Inch	0E	Overhead Electric	rad	Radian
		Middle	0C 07 0.C. 0D or 0.D.	Outside Diameter	R/W, ROW	Right Of Way
		One-Millionth	OC or O.C.	overall On Center	r/s	Revolution Per Second
	Mi.	Mile	0.B.G. 0A	Optional Base Group Overall	R, Rt.	Right
	MH, M.H. MHW	Manhole or Mounting Height Mean High Water	0 to 0, o to o or 0.0.		R or Rng.	Range
		1000 Gallons Manhole or Mounting Height		0		Radius
		Manufactured or Manufacturer	NW	Northwest	<i>Q</i>	Peak Discharge or Flow Volume
		Message	NTS	Not To Scale	(Park Discharge or Flow Volume
	MES	Mitered End Section	NT, N&T	Non Traffic, Nail & Tin	PW	Pressure Water
		Member Sad Castin	NS	Non Stress, Not Suitable or Near Side	PVC	Polyvinyl Chloride
		One Million	NRTL	Nationally Recognized Testing Laboratory	PTFE	Polytetrafluoroethylene
	Med.	Median	NRCP	Non-Reinforced Concrete Pipe	PT	Point Of Tangency or Pressure Treated
	MD	Machine Direction (Geotextiles)	NPT	National Pipe Thread	PSU	Prestressed Slab Unit
	MBM	Thousand (Feet) Board Measure	NOT III. NPS	Nominal Pipe Size	PSI or psi	Pounds Per Square Inch
	MB	Median Barrier	Nom. Norm.	Normal	PSF or psf	Pounds Per Square Foot
		Maximum	No. Nom.	Number Nominal		Plans, Specifications And Estimates
	Matl	Material	N m	Newton Meter	Prov. PRS	Provisions Portable Regulatory Sign
	MASH	Manual for Assessing Safety Hardware (AASHTO)	NM	Net Mile	Prop.	Proposed
		Motorist Awareness System	NJ	New Jersey	Proj.	Project or Projection
		Maintenance	NIC	Not In Contract	Prog.	Program or Progression
		Machine	NHW	Normal High Water	Prod.	Product, Production, Producer or Produced
		Meter Cubed Per Meter	NHS	National Highway System	Prob.	Probability
	m³	Meter Cubed or Cubic Meter	NGV D	National Geodetic Survey National Geodetic Vertical Datum of 1929	PRM	Permanent Reference Monument
	m/s	Meters Per Second	NGS	National Geodetic Survey	Prest.	Prestressed
	m²	Meter Square	not km	Association Net Kilometer	Prest.	Precast
		Meter or Milli	NEMA	National Electrical Manufacturers	Pr. PRC	Pair Point Of Reverse Curvature
		1 Mass, Middle Ordinate Length or Mega	NE		PPP Dr	Polypropylene pipe
		Lux	NDCBO	Unit	PPB	Pier Protection Barrier
	LU, Lum.	Luminaire	NDCBU	Program Neighborhood Delivery And Collection Box	PP	Power Pole
		Lighted or Limited	NCHRP	National Cooperative Highway Research	POT	Point On Tangent
	_	<u>Left</u>	<u>Abbreviation</u>	<u>Meaning</u>	POST	Point On Semi-Tangent
	Abbreviation	Meaning			Abbreviation	Meaning

LAST REVISION IS 07/01/15

FPOT DESIGN STANDARDS

Sub. or Subst. Substitute Supprts. Supports Survey Surf. Surface Surf. Surver Surf. Surface Surf. Surver Surf. Surver Surv	Sors Speed, S SAHM Sand-Asp San. Sanitary SB Southbout SBAC Shell Bas SBRM Sand Bits SBST Shell Bas SC Seal Coa SC Spiral To Sch. Schedule SCST Sand-Cla SD Side Dra SD Storm Dr SE Southeas Sec. Second Sect. Section Sed. Sediment Sep. Separato Seq. Sequenti Serv. Service SF Adjustme SG Specific SG, Subgr. Subgrade Sh. or Sht. Sheet Shldr. Shoulder SHW Seasonal SIP Stay In F SLEO Speed ar SP Superpaw SIP Stay In F SLEO Speed ar SP Superpaw (SIP Stay In F SLEO Speed ar SP Superpaw SP Superpaw (SIP Stay In F SLEO Speed ar SP Superpaw SP Superpaw (SIP Stay In F SLEO Speed ar SP Superpaw SP Superpaw SP Superpaw SP Superpaw SP Superpaw SP Superpaw SP Spiral Ri SRASP Sp				 .	<u>Meaning</u>
March Marc	SAHM Sand-Asp San. Sanitary SB Southbou SBAC Shell Bas SBRM Sand Bits SBST Shell Bas SC Seal Coa SC Spiral To Sch. Schedule SCST Sand-Cla SD Side Dra SD Storm Dr SE Southeas Sec. Second Sect. Section Sed. Sediment Sep. Separato Seq. Sequenti Serv. Service SF Adjustme SG Specific SG, Subgr. Subgrade Sh. or Sht. Sheet Shldr. Shoulder SHW Seasonal SIP Stay In I SLEO Speed ar SP Superpay Spec. Specifica SP Superpay (d., SY or S.Y. Square I SRAP Spiral Ri SRASP State Ro SRAP Spiral Ri SRASP State Ro SRAP Spiral Ri SRASP State Ro SRAP Spiral Ri SRASP Spiral Ri SRASP Spiral Ri SRASP Spiral Ri SRASP State Ro SRAP State Ro SRAP Spiral Ri SRASP Spiral Ri SRASP State Ro SRAP Spiral Ri SRASP Spiral Ri SRA		! t			•
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Second	SB Southbout SBAC Shell Bas SBRM Sand Bits SBST Shell Bas SC Seal Coa SC Spiral To Sch. Schedule SCST Sand-Cla SD Side Dra SD Storm Dr SE Southeas Sec. Second Sect. Section Sed. Sediment Sep. Separato Seq. Sequenti Serv. Service SF Adjustme SG Specific SG, Subgr. Subgrade Sh. or Sht. Sheet Shldr. Shoulder SHW Seasonal SIP Stay In I SLEO Speed ar SP Superpay Spec. Specifica SP Superpay (d., SY or S.F. Square I SRAP Spiral Ri SRASP Spiral Ri SR	·				
Section Process Proc	SBAC Shell Bases SBRM Sand Bits SBST Shell Bases Seal Coases Seal		tan.	Tangent	· ·	
Sept	SBRM Sand Bits SBST Shell Bas SC Seal Coa SC Spiral To Sch. Schedule SCST Sand-Cla SD Side Dra SD Storm Dr SE Southeas Sec. Second Sect. Section Sed. Sediment Sep. Separato Seq. Sequenti Serv. Service SF Adjustme SG Specific SG, Subgr. Subgrade Sh. or Sht. Sheet Shldr. Shoulder SHW Seasonal SIP Stay In I SLEO Speed ar SP Superpaw Spec. Specifica SP Superpaw Adjustme SG Specific SG, Subgr. Subgrade SIP Stay In I SLEO Speed ar SP Superpaw SP Superpaw Spec. Specifica Specifica Spec. Specifica		TBM			
Section	SBST Shell Base SC Seal Coa SC Spiral To Sch. Schedule SCST Sand-Cla SD Side Dra SD Storm Dr SE Southeas Sec. Second Sect. Section Sed. Sediment Sep. Separato Seq. Sequenti Serv. Service SF Adjustme SG Specific SG, Subgr. Subgrade Sh. or Sht. Sheet Shldr. Shoulder SHW Seasonal SIP Stay In F SLEO Speed ar SP Superpaw Spec. Specifica SPT Standard SIP Stay In F SLEO Speed ar SP Superpaw Ad, SY or S.F. Square F Square Sq Square Sq Square Sq Square I Square I SRASP Spiral Ri SRCP Steel Re SRD State Ro SR		TC	Tangent To Curve		
Section Control Co	SC Seal Coa SC Spiral To Sch. Schedule SCST Sand-Cla SD Side Dra SD Storm Dr SE Southeas Sec. Second Sect. Section Sed. Sediment Sep. Separato Seq. Sequenti Serv. Service SF Adjustme SG Specific SG, Subgr. Subgrade Sh. or Sht. Sheet Shldr. Shoulder SHW Seasonal SIP Stay In F SLEO Speed ar SP Superpaw Spec. Specifica SPT Standard SP Superpaw To Spec. Specifica SPT Standard SRAP Spiral Ri SRASP Sp		TCB	Temporary Concrete Barrier		· ·
Section Control Cont	SC Spiral To Sch. Schedule SCST Sand-Cla SD Side Dra SD Storm Dra SE Southeas Sec. Second Sect. Section Sed. Sediment Sep. Separato Seq. Sequenti Serv. Service SF Adjustme SG Specific SG, Subgr. Subgrade Sh. or Sht. Sheet Shldr. Shoulder SHW Seasonal SIP Stay In Fallow Speed ar SP Superpay Spec. Specific SPT Standard SP Superpay Spec. Specific SPT Standard Square Fag. in. Square Fag. in. Square Fag. in. Square Fag. Square Fag. Spiral Rife SRASP Spiral Rife S		TCE	Temporary Construction Easement	W <i>B50</i>	
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Part	SCST Sand-Cla SD Side Dra SD Storm Dr SE Southeas Sec. Second Sect. Section Sed. Sediment Sep. Separato Seq. Sequenti Serv. Service SF Adjustme SG Specific SG, Subgr. Subgrade Sh. or Sht. Sheet Shldr. Shoulder SHW Seasonal SIP Stay In F SLEO Speed ar SP Superpaw Spec. Specifica SPT Standard SP Superpaw Spec. Specifica SPT Standard Sq Square t., SF, or S.F. Square F Square F SRAP Spiral Ri SRASP Spiral Ri SS Sanitary SSMD Solid Sta ST Surface St. or ST. Street Sta. Station Stab. Stability STB Staked T Std. Standard Stg. Strong Stge. Storage Stl. Steel Str. Structure Sty. Story SU Single Un Sub. or Subst. Suppts. Subsoil				W <i>B</i> 67 <i>D</i>	Semi Trailer, Tandem
1	SD Side Dra SD Storm Dra SE Southeas Sec. Second Sect. Section Sed. Sediment Sep. Separato Seq. Sequenti Serv. Service SF Adjustme SG Specific SG, Subgr. Subgrade Sh. or Sht. Sheet Shldr. Shoulder SHW Seasonal SIP Stay In F SLEO Speed ar SP Superpaw Spec. Specifica SPT Standard SP Superpaw Spec. Specifica SPT Standard Sq Square F Square F Square I Square I Square I SRAP Spiral Ri SRAP Spiral Ri SRAP Spiral Ri SRAP Spiral Ri SRAP Steel Re SRD State Ro SRSP Spiral Ri SRCP Steel Re SRD State Ro SRSP Spiral Ri SCON STE Street Stan Station Stab Stability STB Staked T Stab Standard Stg. Strong Stge. Storage Stl. Steel Str. Structure Sty. Story SU Single Un Sub. or Subs. Subsoil Substitut Suppts. Supports				WM	Water Main
Second Proceedings Procedure Proce	SD Storm Dr. SE Southeas Sec. Second Sect. Section Sed. Sediment Sep. Separato Seq. Sequenti Serv. Service SF Adjustme SG Specific SG, Subgr. Subgrade Sh. or Sht. Sheet Shldr. Shoulder SHW Seasonal SIP Stay In F SLEO Speed ar SP Superpaw Spec. Specifica SPT Standard Sq Square t., SF, or S.F. Square F Sq. in. Square I Square I SRASP Spiral Ri SRASP Steel Re SRD State Ro SRSP Spiral Ri SS Sanitary SSMD Solid Sta ST Surface St. or ST. Street Sta. Station Stab. Stability STB Staked T Std. Standard Stg. Strong Stge. Storage Stl. Steel Str. Structure Sty. Story SU Single Un Sub. or Subst. Suppts. Substitut Suppts. Supports					
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Surf. Surface Sv Sievert SW Southwest SW or Swk. Sidewalk Sym. Symmetrical	Sur Curunu		,			
Sv Sievert Vv Verified Vertical Elevation SW Southwest Vvh Verified Vertical Elevation And Horizontal Location SW or Swk. Sidewalk Sym. Symmetrical		· ·				
SW Southwest Vvh Verified Vertical Elevation And Horizontal Location SW or Swk. Sidewalk VW Variable Width Sym. Symmetrical				,		
SW or Swk. Sidewalk Sym. Symmetrical VW Variable Width			Vv	Verified Vertical Elevation		
Sym. Symmetrical			Vvh	Verified Vertical Elevation And Horizontal Location		
Sym. Symmetrical			VW	Variable Width		
Sys. or Syst. System	Sym. Symmetri	netrical				
	Sys. or Syst. System					

12/8/2015

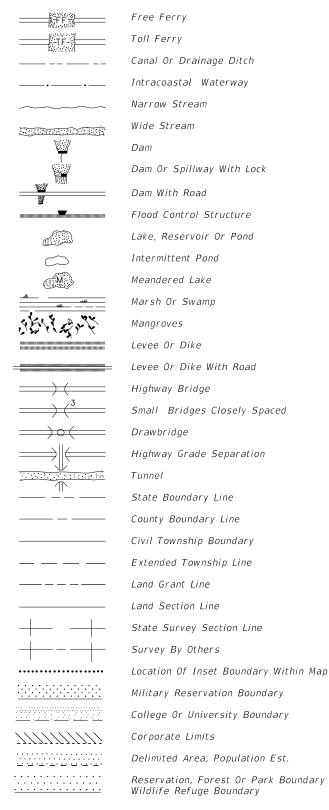


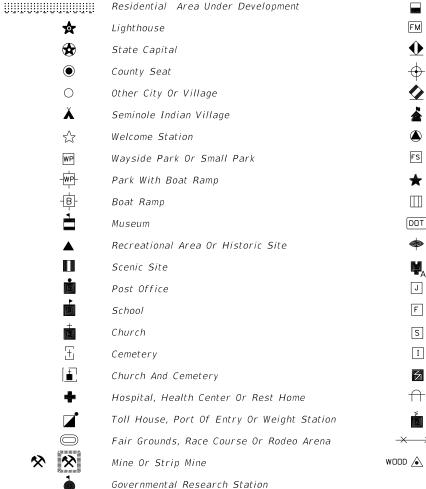
STANDARD SYMBOLS FOR KEY MAP

	Highway With Full Control of Access
	Highway With Frontage Roads
	Highway Interchange
	Proposed Controlled Access Highway
	Divided Highway
	Hard Surfaced Road
	Soil, Gravel Or Shell Surfaced Road
	Graded And Drained Road
	Unimproved Road
======	Primitive Road
P	Private Road
	Streets In Inset Or Delimited Areas
	Extension Of Local Roads Within Cities
FAI	Federal Aid Interstate Highway
F AU	Federal Aid Urban Highway
<u> </u>	Federal Aid Primary Highway
FAS	Federal Aid Secondary Highway
NFR	National Forest Road
SFR	State Forest Road
SPR	State Park Road
<u></u>	Interstate Highway
<u> </u>	US Numbered Highway
60	State Highway
09	County Road
	Railroad
	Double Track Railroad
	Abandoned Railroad
	Railroad Station
	Grade Crossing
	Railroad Above
	Railroad Below
	Military Field
$\overset{\square}{\sim}$	Commercial Or Municipal Airport
\swarrow	Landing Area Or Strip

Runways

DESCRIPTION:





	Agricultural Inspection Station
FM	Farmers Market
$oldsymbol{\Phi}$	Game Preserve
+	Game Checking Station
4	Bird Sanctuary
	Fire Control Headquarters
	Lookout Tower
FS	Fire Station
*	Patrol Or Police Station
	Correctional Institution Or Road Camp
DOT	Department of Transportation Facility
	Coast Guard Station
	Armory
J	Junkyard
F	Sanitary Fill
S	Sewage Disposal Plant
I	Incinerator
$\boldsymbol{\mathcal{S}}$	Power Plant
\bigcap	Power Substation
2	Communications Facility
-	Locked Gate Or Fence

Triangulation Station

GENERAL NOTE

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.

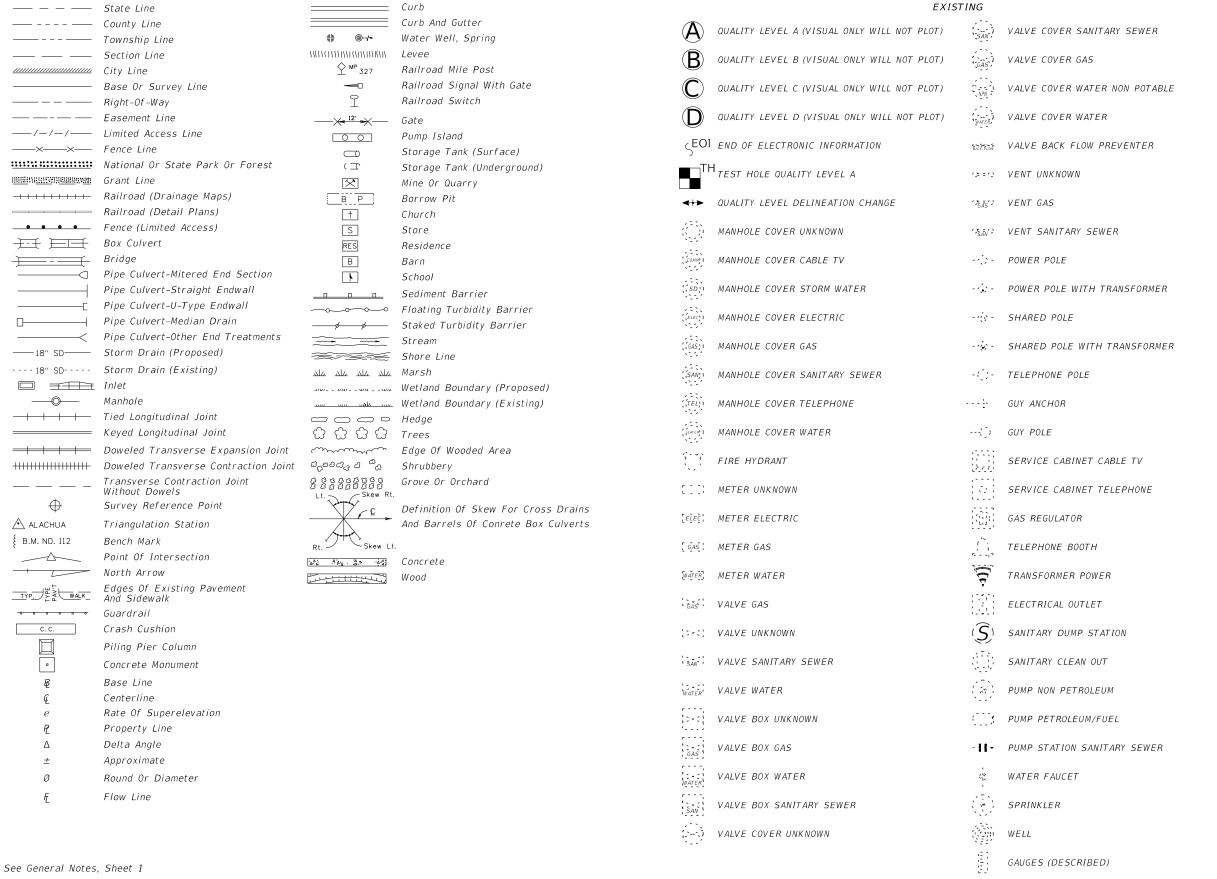
LAST **REVISION** 07/01/05



STANDARD SYMBOLS FOR PLAN SHEETS

GENERAL SYMBOLS

UTILITY ADJUSTMENT SYMBOLS



REVISION 07/01/13

DESCRIPTION:

INDEX NO. 002

PROPOSED

 \bigcirc

(S)

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Manhole

Fire Hydrant

Meter (Type)

Valve (Type)

Vent (Type)

Cleanout

Power Pole

Tower

Light Pole

Transformer

Telephone Pole

Combination Pole

Guy Pole Deadman

Pump Station

Valve Box (Type)

Valve Cover (Type)

Sewage Pump Station

Cable TV Service Box

Guy Wire And Anchor Pin

STANDARD SYMBOLS FOR PLAN SHEETS

UTILITY ADJUSTMENT SYMBOLS

EXISTING —	======================================	======================================
· · · · · OTV · · · · · OVERHEAD CABLE TELEVISION	S(B) BURIED SANITARY SEWER (B)	OTV OTV OVERHEAD CABLE TELEVISION
BTV(B) BURIED CABLE TELEVISION (B)	S(C) BURIED SANITARY SEWER (C)	OFOC OFOC OVERHEAD FIBER OPTIC CABLE TELEVISION
BTV(C) BURIED CABLE TELEVISION (C)	S(D) BURIED SANITARY SEWER (D)	BTV BTV BURIED CABLE TELEVISION
BTV(D) BURIED CABLE TELEVISION (D)	S(B) BURIED SANITARY FORCE MAIN (B)	BFOC BFOC BURIED FIBER OPTIC CABLE TELEVISION
OFOC OVERHEAD FIBER OPTIC CABLE TELEVISION	S(C) BURIED SANITARY FORCE MAIN (C)	CAS CAS BURIED CASING
BFOC(B) BURIED FIBER OPTIC CABLE TELEVISION (B)	S(D) BURIED SANITARY FORCE MAIN (D)	DT DT DT BURIED DUCT
BFOC(C) BURIED FIBER OPTIC CABLE TELEVISION (C)	STM(B) BURIED STEAM LINE (B)	OE OE OE OVERHEAD ELECTRIC
BFOC(D) BURIED FIBER OPTIC CABLE TELEVISION (D)	STM(C) BURIED STEAM LINE (C)	OFOE OFOE OVERHEAD FIBER OPTIC ELECTRIC
BTV(B) BURIED CABLE TV CONDUIT SYSTEM (B)	STM(D) BURIED STEAM LINE (D)	BE BE BE BURIED ELECTRIC
BTV(C) BURIED CABLE TV CONDUIT SYSTEM (C)	OT OVERHEAD TELEPHONE	BFOE BFOE BURIED FIBER OPTIC ELECTRIC
BTV(D) BURIED CABLE TV CONDUIT SYSTEM (D)	·BT(B) · BURIED TELEPHONE (B)	GGGGGGG BURIED GAS
CAS(B) BURIED CONDUIT (B)	·BT(C) BURIED TELEPHONE (C)	PET PET BURIED PETROLEUM
CAS(C) BURIED CONDUIT (C)	·BT(D) BURIED TELEPHONE (D)	SSSSSS BURIED SANITARY SEWER
CAS(D) BURIED CONDUIT (D)	OFOT OVERHEAD FIBER OPTIC TELEPHONE	SSSSSS BURIED SANITARY FORCED MAIN
OE OVERHEAD ELECTRIC	BFOT(B) BURIED FIBER OPTIC TELEPHONE (B)	STM STM BURIED STEAM
BE(B) BURIED ELECTRIC (B)	BFOT(C) BURIED FIBER OPTIC TELEPHONE (C)	OT OT OT OVERHEAD TELEPHONE
BE(C) BURIED ELECTRIC (C)	BFOT(D) BURIED FIBER OPTIC TELEPHONE (D)	OFOT OFOT OVERHEAD FIBER OPTIC TELEPHONE
BE(D) BURIED ELECTRIC (D)	·BT(B) · BURIED TELEPHONE DUCT (B)	BT BT BT BURIED TELEPHONE
OFOE OVERHEAD FIBER OPTIC ELECTRIC	·BT(C) · BURIED TELEPHONE DUCT (C)	BFOT BFOT BURIED FIBER OPTIC TELEPHONE
BFOE(B) BURIED FIBER OPTIC ELECTRIC (B)	·BT(D) · BURIED TELEPHONE DUCT (D)	WWWWWWW BURIED WATER
BFOE(C) BURIED FIBER OPTIC ELECTRIC (C)	·BT(B) · BURIED TELEPHONE TOLL (B)	NPW NPW NPW BURIED NON-POTABLE WATER
BFOE(D) BURIED FIBER OPTIC ELECTRIC (D)	·BT(C) · BURIED TELEPHONE TOLL (C)	
G(B) BURIED GAS (B)	·BT(D) · BURIED TELEPHONE TOLL (D)	
G(C) BURIED GAS (C)	W(B) BURIED WATER LINE (B)	
G(D) BURIED GAS (D)	W(C) BURIED WATER LINE (C)	
PET(B) BURIED PETROLEUM (B)	W(D) BURIED WATER LINE (D)	
PET(C) BURIED PETROLEUM (C)	NPW(B) BURIED NON-POTABLE WATER LINE (B)	
PET(D) BURIED PETROLEUM (D)	NPW(C) BURIED NON-POTABLE WATER LINE (C)	
CAS(B) BURIED PIPE ENCASEMENT (B)	NPW(D) BURIED NON-POTABLE WATER LINE (D)	See General Notes, Sheet 1
CAS(C) BURIED PIPE ENCASEMENT (C)		

REVISION 01/01/16

≥ DESCRIPTION:



---CAS(D)--- BURIED PIPE ENCASEMENT (D)

STANDARD SYMBOLS FOR PLAN SHEETS

LIGHTING SYMBOLS TRAFFIC SIGNALS SYMBOLS

SIGNING AND PAVEMENT MARKING SYMBOLS

EXISTING	PROPOSED		EXISTING	PROPOSED		57	
← - <u> </u>	≪ ─	Traffic Signal Head (Span Wire Mounted)	()(])	$\bigcirc -\!\!\!\!\!\!-\!$	Pole & Luminaire		Pavement Arrow
<		Traffic Signal Head (Pedestal Mounted)		$\bigcirc - \times (\bigcirc)$	Existing Pole & Luminaire To Be Removed		Single Solid Line
()		Traffic Signal Head (Mast Arm Mounted)			Final Position Of Relocated Or Adjusted Pole & Luminaire		Double Solid Line
C		Traffic Signal Pole (Concrete, Wood, Metal)	0-0 (0-) 0-0		High Mast Lighting Tower		Skip Line
<u> </u>		Vehicle Detector (Loop)		\square	City Or Utility Owned Luminaire & Pole	7	Stop Bar
		Signal Cable (On Messenger Wire)			PVC (Polyvinyl Chloride) Lighting Conduit And Conductors	d	Traffic Sign (Post Mounted)
	·· -	Conduit			Rigid Galvanized Lighting Conduit And Conductors	o—= o——o	Traffic Sign (Overhead)
(>)	\otimes	Vehicle Detector (Points)			Lighting Pull-Box	(13)	Sign Number
≪	←	Pedestrian Detector			Light Distribution Point	700-83	Sign Item Number
		Pedestrian Signal Head (Pole Or Pedestal Mounted)	$\langle \rangle$		Joint Use Pole		Traffic Flow Arrow
		Controller Cabinet (Base Mounted)		D	Pier Cap Underdeck Luminaire		
[2]		Controller Cabinet (Pole Mounted)		\triangle	Pendant Hung Underdeck Luminaire		
	W - D W	Walk - Dont Walk					
	FDW	Flashing Dont Walk					
	5	Signal Face Number					
		Signal Lens					
	P	Programmed Signal Head					
	· ——— - ——	Messenger Wire					

See General Notes, Sheet 1

≥ DESCRIPTION: REVISION 07/01/13

(3)

*(3)

Pole Tabulation Cross Reference

Signal Phase

Pole Tabulation Cross Reference (Joint Use Pole)