

&	And	B.S.T.	Bituminous Surface Treatment
@	At	Bur.	Buried
Δ	Delta Angle or Deflection Angle	Calc.	Calculated
=	Equals	C.A.P.	Corrugated Aluminum Pipe
	Fish	C.A.T.	Crash Cushion/Attenuating Terminal Guard Rail End Treatment
	Parallel	Cb.	Curb
%	Percent	C.B.	Catch Basin
$\perp$	Perpendicular	Cb.In.	Curb Inlet
$\emptyset$	Phase or Diameter	Cb.L.	Curb Line
$\overline{\text{E}}$	Begin L.A. R/W	C.B.W.	Concrete Block Wall
$\overline{\text{E}}$	End L.A. R/W	C.C.	Corn Crib
A.A.D.T.	Annual Average Daily Traffic	C-C	Center to Center
AASHTO	American Association of State Highway and Transportation Officials	Cdtn.	Condition
Ab.	Abrupt	Cem.	Cemetery
Abut.	Abutment	C.G.M.P.	Corrugated Galvanized Metal Pipe
A.C.	Aluminum Cap/Asphalt Cement	Ch.	Channel or Chain
A.C.L.	Access Control Line	Chan. Chg.	Channel Change
Add. Exc.	Additional Excavation	Chd.	Chord
Adj.	Adjusted	C.I.	Cast Iron
Aggr.	Aggregate	C.I.P.	Cast Iron Pipe
Ah.	Ahead	Cir.	Circle
Alum.	Aluminum	$\text{\textcircled{C}}$	Centerline
A.P.	Anchor Plate	Cl.	Class or Clearance
App. Exist. R/W	Apparent Existing Right-of-Way	C.L.	Corporation or City Limits
App. P. L.	Apparent Property Line	C.L.T.F.	Chain Link Type Fence
Appl.	Application	C.M.B.	Concrete Median Barrier
Appr.	Approach	C.M.P.	Corrugated Metal Pipe
Approx.	Approximate	Co.	County or Company
Art.	Article	C.O.	Clean Out
Asph.	Asphalt	Col.	Column
ASTM	American Society for Testing Materials	Comp.	Compacted or Composite
Ave.	Avenue	Conc.	Concrete
Avg.	Average	Conc. P.	Concrete Pipe
AWG	America Wire Gauge	Conn.	Connection
Az.	Azimuth	Const.	Construction or Construct
B.	Barn	Cont.	Continuous
B.E.	Bridge End	Cor.	Corner
Beg.	Begin	Corr.	Corrugated
B.I.P.	Boiler Iron Pipe	Cov.	Cover
Bit.	Bituminous or Bitumen	C.P.	Catch Point
Bk.	Back or Bank	Cr.	Crushed or Creek
$\text{\textcircled{B}}$	Baseline	Crs.	Course
Bldg.	Building	C. Stn.	Crushed Stone
Blk	Block	Ct.	Court
Blktp.	Blacktop	Ctr.	Center
Blvd.	Boulevard	Cu.	Cubic
Bm.	Beam	Cul.	Culvert
B.M.	Bench Mark	C.Z.	Clear Zone or Construction Zone
Bndry.	Boundary	D	Distribution of Traffic
Bot.	Bottom	Dbl.	Double
Br.	Bridge	Defl.	Deflection
Brg.	Bearing	Desc.	Description
Brk.	Brick	Dest.	Destroyed
Br. S.	Bridge Seat	Det.	Detour or Detail
B.S.	Backsight	Detc.	Detector
B. Spk.	Boat Spike	D.H.	Drill Hole
		D.H.V.	Design Hourly Volume

Dia.	Diameter	Gdr.	Girder
Diaph.	Diaphragm	Geod.	Geodetic
Dim.	Dimension	G.L.	Gas Line
Dist.	Distance or District	G.P.	Guy Pole
Dn.	Down	G.P.S.	Global Positioning System
Dp.	Deep	G.R.	Guard Rail
Dr.	Drain or Drive	Grav.	Gravel
Dt.	Ditch	G.R.E.A.T. —	GREAT Unit (Bays)
Drwg.	Drawing	G.R.E.T.	Guard Rail End Treatment
E	East	Grnd.	Ground
Ea.	Each	Gr.Sep.	Grade Separation
E.B.	Eastbound	G.S.	Gravel Surfacing
E.B. L.	Eastbound Lane	G.S.P.	Galvanized Steel Pipe
E.F.	Each Face	Gut.	Gutter
E.G.	Edge of Gutter	G.V.	Gas Valve
Elec.	Electric		
El.	Elevation	H.H.	Hand Hole
E.M.	Edge of Metal (surface)	Hdw.	Headwall
Emb.	Embankment	H.I.	Height of Instrument
Eq.	Equation	H.	House
Esmt.	Easement	Horiz.	Horizontal
E.T.L.	Edge of Traveled Lane	H.P.S.V.	High Pressure Sodium Vapor
E.T.W.	Edge of Traveled Way	H.S.	High Strength
Exc.	Excavation	Ht.	Height
Exist.	Existing	H.W.	High Water
Exp.	Expansion	H.W.L.	High Water Line
Ext.	Extension	Hwy.	Highway
Fa.	Face	I	Interstate
F.A.	Federal Aid	I.C.	Incidental Construction
F.B.C.P.C.S.	Fully Bituminous Coated Perforated Corrugated Steel	I.D.	Inside Diameter
		I.F.	Inside Face
F.Div.	Field Division	IMSA	International Municipal Signal Association
Fdn.	Foundation	In to In	Inside to Inside
Fe.	Fence	Inc.	Incorporated
Fert.	Fertilizer	Incl.	Included
F-F	Face to Face	Inlt.	Inlet
F.F.	Front Face	Instr.	Instrument
F.F.T.F.	Farm Field Type Fence	Inters.	Intersection
F. Hyd.	Fire Hydrant	Intch.	Interchange
Fig.	Figure	Inv.	Invert
Fin.	Finish	I.P.	Iron Pipe
Fix.	Fixed	I.P.B.	Iron Pipe Buried Below Plow Depth
Fl.	Flush		
F.L.	Flow Line	I.P.F.	Iron Pin Flush
Flg.	Flange	I.P.L.	Iron Pin Lightly Buried
F.O.	Fiber Optic	I.P.N.F.	Iron Pin Not Found
F.P.	Fence Post	Jct.	Junction
F.R.	Frontage Road	Jt.	Joint
F.S.	Far Side or Foot of Slope		
F.T.	Farm Tile		
Ftg.	Footing		
Fut.	Future	L	Length of Curve, Liter or Loop
Fwy.	Freeway	L.A.	Limited Access
		L.A.R/W.	Limited Access Right of Way
G.	Garage	L.C.	Long Chord
Galv.	Galvanized	L _C	Length of Circular Curve
G.B.A.	Gravel Barrel Array Impact Attenuator	L.D.	Loop Detector
G.B.E.S._ _	Grated Box End Section (Pipes)	Leng.	Length or Lengthen
		Ln.	Lane

LRFD	Load Resistance Factor Design
L.S.	Land Surveyor
L.S.R.	Local Service Road
Lt.	Left
Lt. P.	Light Pole
L.W.	Low Water
Mac.	Macadam
Matl.	Material
Max.	Maximum
Mbox.	Mailbox
Mdwl.	Mudwall
Meas.	Measured
Med.	Median
Mh.	Manhole
Min.	Minimum, Mineral, or Minute
Misc.	Miscellaneous
Mkr.	Marker
ML.	Mainline
Mncpl.	Municipal
M.O.	Mid Ordinate
Mom.	Moment
Mon.	Monument
M.P.C.	Mid-Point of Curve
N	North
N.B.	Northbound
N.B.L.	Northbound Lane
N.C.	Normal Crown
N.E.	Northeast
Neg.	Negative
NEMA	National Electrical Manufacturers Association
N.E.P.L.	No Evidence of Property Line
N.F.	Near Face
N.G.	Natural Gas
N.G.S.	National Geodetic Survey
Nl.	Nail
Nly.	Northerly
No. or #	Number
N.S.	Near Side
N.W.	Northwest
O.C.	On Centers or Overhead Crossing
O.D.	Outside Diameter
O.F.	Outside Face
Off.	Offset
Oh.	Overhang or Overhead
O-O	Out to Out
O.P.O.C.	Offset Point on Curve
O.P.O.S.T.	Offset Point of Semi-Tangent
O.P.O.T.	Offset Point on Tangent
Out.	Outlet
P	Power Cable or Pipe
P. or Pg.	Page
P.B.	Pull Box

P.C.	Point of Curve (Beginning of Curve)
P.C.C.	Point of Compound Curve or Portland Cement Concrete
Ped.	Pedestrian
Pen.	Penetration
Perf.	Perforated
P.G.	Profile Grade
P.I.	Point of Intersection
Pl.	Place or Plate
P.L.	Property Line
Plas.	Plastic
P.M.P.	Perforated Metal Pipe
P.O.C.	Point on Curve
Pos.	Positive
P.O.S.T.	Point on Semi-Tangent
P.O.T.	Point on Tangent
P.O.V.C.	Point on Vertical Curve
Pp.	Pages
P.P.B.	Pedestrian Push Button
P.R.C.	Point of Reverse Curve
Prest.	Prestressed
Priv.	Private
Proc.	Processing
Proj.	Project or Projected
Prot.	Protect, Protector, or Protection
P.S.D.	Paved Side Ditch
Pt.	Point
P.T.	Point of Tangent (End of Curve)
Pub.	Public
Pv.C.	Polyvinyl Chloride
P.V.C.	Point of Vertical Curve
P.V.I.	Point of Vertical Intersection
Pvm't.	Pavement
P.V.T.	Point of Vertical Tangent
Pwp.	Powerpole
Pwr.	Power (Lines)
Q	Peak Discharge (Water)
R.	Range or River
Rad. or R.	Radius
R.C.	Rapid Curing, Reinforced Concrete, or Remove Crown
R.C.P.	Reinforced Concrete Pipe
Rd.	Road
Rdl.	Radial
Rd. N.	Road Nail
Rd NF.	Road Nail Flush
Rd NL.	Road Nail Lightly Buried
Rdwy.	Roadway
Rec.	Record or Recommended
Ref.	Reference
Reinf.	Reinforcement, Reinforcing, or Reinforced
Req'd.	Required
Ret.	Retaining
Rev.	Revised
R.M.	Reference Monument
R.P.	Reference Point

R.P.M.	Raised Pavement Marker	Tan.	Tangent
R.R.	Railroad	T.B.	Test Boring
R.R. Spk.	Railroad Spike	T.B.M.	Temporary Bench Mark
Rt.	Right or Route	Tbr.	Timber
Rte.	Route	Tel.	Telephone
R/W	Right-of-Way	Tel.C.	Telephone Cable
R/W Mkr.	Right-of-Way Marker	Tgp.	Telegraph Pole
Rwy.	Railway	Tfp.	Telephone Pole
S	South	Temp.	Temperature or Temporary
S.	Shed	T.O.	Top of Opening
San.	Sanitary Sewer	T.O.B.	Top of Bank
S.B.	Southbound	T.O.P.	Top of Pipe
S.B.L.	Southbound Lane	T.O.S.	Top of Slope
Sched.	Schedule	Topog.	Topographic
Sdwk.	Sidewalk	T.P.	Turning Point
S.E.	Southeast	Trans.	Transmission Line or Transition
Sec.	Section or Second	Trav.	Traverse
Sec. Line	Section Line	T.T.	Transmission Tower
Ser. Rd.	Service Road	Twp.	Township (Civil)
S.G.	Subgrade	T.W.L.T.L.	Two-Way Left-Turn Lane
Sht.	Sheet	Typ.	Typical
Shldr.	Shoulder	U.	Unit
Sig.	Signal	Ug.	Underground
S.L.D.	Sea Level Datum	Uncl.	Unclassified
Sly.	Southerly	U'pass.	Underpass
Spa.	Spaces, Spacing	U.S.C. & G.S.	U.S. Coast and Geodetic Survey
Spec. Prov.	Special Provision	U.S.Co.E.	U.S. Corps of Engineers
Spk.	Spike	U.S.F.S.	U.S. Forest Service
Spl.	Special or Splice	U.S.G.S.	U.S. Geological Survey
Sq.	Square	U.S.P.L.S.	U.S. Public Land Survey
S.R.	State Road or State Route	V	Design Speed or Velocity
S.S.	Stainless Steel	V.C.	Vertical Curve
St.	Street	Veh.	Vehicle, Vehicular
Sta.	Station	Vert.	Vertical
Std.	Standard	W	West, Wide Flange Beam, or Water
Std. Spec.	Standard Specifications	W/	With
Stiff.	Stiffener	W.B.	Westbound
Stk.	Staked or Stake	W.B.L.	Westbound Lane
Stl.	Steel	Wd.	Wood
Str.	Structure, Structural	W.L.	Water Line
Subd.	Subdivision	Wly.	Westerly
Subgr.	Subgrade	W.P.	Working Point
Supstr.	Superstructure	Wt.	Weight
Surf.	Surface or Surfacing	W.T.	Water Table
Surv.	Survey	W.V.	Water Valve
S.W.	Southwest or Sidewalk	W.W.	Wingwall or Woven Wire
Sym.	Symmetrical	Xing.	Crossing
T.	Tangent Length or Township (as T-6-N)	Xsec.	Cross Section

PLAN ABBREVIATIONS

Figure 14-3B