STATE	PROJECT	SHEET NUMBER

Abutment	Abut.
Aggregate	aggr.
Ahead	AH
Alternate	alt.
Average daily traffic	ADT
Back	BK
Backslope Anchor Terminal	BAT
Balance point	BP
Bearing	brg.
Beginning	beg.
Bench mark	BM
Broken White	BW
Centerline	℄
Center to center	cc, c-c or c. to c.
Centers	ctrs.
Clear	clr.
Column	col.
Connection	conn.
Construction joint	Constr. jt.
Continuous	cont.
Corrugated metal pipe	CMP
Culvert	culv.
Curve central angle (spiral curve transitions)	Δ_c
Curve total angle (curve delta or deflection)	Δ
Design hourly volume	DHV
Design speed	V
Diagonal	diag.
Diameter	D, dia., or
Diaphragm	diaph.
Distance	dist.
Double Solid Yellow	DSY
Drawing(s)	dwg(s), or drwg(s)
Drop Inlet	DI
East	E
Edge of pavement	EP or EOP
Elevation	elev.
Elevation with number	El. 94.161 [El. 94.16]
Embankment	emb.
End section	ES
Equation	EQ or eq.
Equivalent Single Axle Load	ESAL
Excavation	exc.
Expansion joint	exp. jt.
Flared Anchor Terminal	FAT
Footing	ftg.
Galvanized	galv.
Gage(gauge)	ga.
Gyratory Mix, Asphalt Concrete Pavement	GACP
Headwall	hdwl.
Hexagon	hex.
High water	HW
Inside diameter	ID
Joint	jt.
Lamination	lam.
Latitude	lat.
Left	lt., Lt. or LT
Length of curve(simple curve)	L
Length of curve (spiral curve transition)	Lc
Length of spiral	Ls
Longitudinal(longitude)	long.
Low water	LW
Mainline	M.L.
Material	matl.
Maximum	max.
Mile[Kilometer] post	M.P[K.P.]
Minimum	min.
Monument	mon. or MON
Mechanically stabilized embankment	MSE
Nominal Max. Size Aggregate	NMSA
Normal crown	NC or NCR
North	N
Original ground	OG
Out to out	o. to o.
Outside diameter	OD
On centers	o. c.
Pavement	pvmt.
Plate	pl.
Point of compound curve	PCC
Point of curve	PC
Point of curve to spiral	PCS or CS
Point of intersection	PI
Point of spiral to curve	PSC or SC
Point of spiral to reverse spiral	SRS
Point of spiral to tangent	PST or ST
Point of tangent	PT
Point of tangent to spiral	PS or TS
Point on curve	POC
Point on spiral	POS
Point on tangent	POT
Radius	R
Reinforcement (reinforced)	reinf.
Required	reqd.
Right	Rt., rt.or RT
Right-of-way	R/W
Roadway	Rdwy.
Route	Rte.
Section	Sec.
Solid White	SW
South	S
Spacing, spaces or spaced	spa.
Spiral central angle	s
Standard	std.
Station	Sta.
Steel Backed Timber	SBT
Stiffener	stiff.
Stringer	stgr.
Structure	struc.
Superelevation rate	e
Symmetrical	sym.
Tangent distance (tangent length)	T
Tangent distance (spiral curve transition)	Ts
Temporary benchmark	TBM
Temporary construction easement	TCE
Thread	thd.
Township	T.
Typical	typ.
Vehicle per hour	vph
Vertical point of intersection	VPI
West	W

NATIONAL BOUNDARY
STATE BOUNDARY
COUNTY BOUNDARY
CITY BOUNDARY
TOWNSHIP or RANGE LINE
SECTION LINE
¼ SECTION LINE
1/16 SECTION LINE
NATIONAL PARK or FOREST BOUNDARY
PROPERTY LINE — P/L
TRAVERSE POINT (Horizontal & Vertical) Top of Triangle Points North — T-45 2,645.9
TRAVERSE POINT (Horizontal) — T-3
BRASS CAP
STEEL PIN
HUB & TACK
SPOT ELEVATION — x 99.9
COORDINATE GRID TICK

	EXISTING	PROPOSED
RIGHT-OF-WAY LINE	R/W	R/W
RIGHT-OF-WAY LINE with MONUMENT	R/W	R/W
SECTION CORNER	FOUND 36 31 1 6	PROJECTED 36 31 1 6
¼ SECTION CORNER	15 22	15 22
1/16 SECTION		
PROPERTY CORNER		No Symbol
PARCEL NUMBER	No Symbol	400
EASEMENT (Permanent - Construction)	P/E	C/E
ROUTE NUMBERS	26 INTERSTATE	25 U.S. / 694 STATE

SLOPE STAKE — TOP OF CUT, TOE OF FILL, TRANSITION
ROADWAY, EXISTING — EOP, EOG
RAILROAD — SINGLE TRACK, MULTIPLE TRACK
TRAIL
INTERMITTENT DRAINAGE/ SMALL CREEK
SPRING
LARGE CREEK/RIVER
LAKE, POND or RESERVOIR; MARSHLAND
PAVEMENT REMOVAL/ROADWAY OBLITERATION
FULL DEPTH PAVEMENT
SIDEWALK ASPHALT/CONCRETE
MILL AND OVERLAY
OVERLAY
AREA PATTERN
SILT FENCE — SF
DIVERSION BERM — DB
DIVERSION CHANNEL
CHECK DAM
RIPRAP/CULVERT RIPRAP
BORING LOCATION — B-1
TEST PIT — TP-1
NORTH ARROW — N
MATERIAL SOURCE

	EXISTING	PROPOSED
FENCE	x x	xx xx
GATE with FENCE	x x	xx xx
CATTLEGUARD		
GUARDRAIL		
MEDIAN & SIDE (CONCRETE) BARRIER		
SIGNS — POST MOUNTED		
SIGNS — PORTABLE	No Symbol	
RETAINING WALL		wall face
OVERHEAD(POWER POLE) UTILITIES P=Electrical for transmission line E=Electrical for distribution line T=Telephone, E&T=Joint Electrical and Telephone FO=Fibre optics	P	P
SUPPORT POLE with ANCHOR		
TELEPHONE BOOTH or PEDESTAL	TB or TP	TB or TP
STREET LIGHT	or	or
UNDERGROUND UTILITIES G=gas, O=oil, P=power, SS=sanitary sewer, SD=storm drain, T=telephone, W=water E=electrical, FO=fiber optics	W	W
BRIDGE		
PIPE CULVERT (arrow shows flow)		
PIPE CULVERT with END SECTION		
PIPE CULVERT with HEADWALL		
CULVERT with DROP INLET		
BOX CULVERT		
UNDERDRAIN	UD	UD
BUILDING		
TREELINE; TREE		

PROJECT SPECIFIC SYMBOLS AND ABBREVIATIONS:-

U.S. DEPARTMENT OF TRANSPORTATION
FEDERAL HIGHWAY ADMINISTRATION
EASTERN FEDERAL LANDS HIGHWAY DIVISION
ASHBURN, VIRGINIA

FISH AND WILDLIFE REFUGE

SYMBOLS AND ABBREVIATIONS