

ABBREVIATIONS

C	centerline
Δ	curve delta
A	abut. abutment
	ADT average daily traffic
	aggr. aggregate
	AH ahead
	alt. alternate
	appr. approach
	asph. asphalt
B	b.f. both faces
	beg. beginning, begin
	BK back
	BM bench mark
	BP balance point
	br. bridge
	brg. bearing
C	CBC concrete box culvert
	c-c center to center
	cl. clear
	CMP corrugated metal pipe
	Co. county
	col. column
	conc. concrete
	constr. construction
	constr. jt. construction joint
	cont. continuous
	corr. corrugated
	cr. creek
	CS point of curve to spiral
	ctrs. centers
	CTSM contingent sum
	culv. culvert
D	decr. decrement
	DHV design hour volume
	DI drop inlet
	dia. or D diameter
	diag. diagonal
	diaph. diaphragm
	dist. distance
	Dist. district
	DLC donation land claim
	dwg(s). drawing(s)
E	E east
	e superelevation rate
	El. 94.066 elevation with number
	elev. elevation
	emb. embankment
	enr(s). Engineer(s)
	EOP edge of pavement
	EQ or eq. equation
	ER edge of road
	et al and others
	et ux and wife
	EW edge of water
	exc. excavation
	exp. jt. expansion joint
	ext. exterior
F	f.f. fill face
	Fed. federal
	FES flared end section
	fin. finish
	ftg. footing
G	ga. gage (gauge)
	galv. galvanized
	gdr. girder
H	hdwl. headwall
	HES homestead entry survey
	hex. hexagon
	horiz. horizontal
	HW high water
	hwy. highway
I	ID inside diameter
	incl. inclusive, including
	incr. increment
	int. interior
J	jt. joint

L	L length of curve
	lam. lamination
	lat. latitude
	long. longitudinal
	LPSM lump sum
	Lt. or LT left
	LW low water
M	mag. magnetic
	maint. maintenance
	matl. material
	max. maximum
	min. minimum
	mon. monument
	mtn(s). mountain(s)
N	N north
	NC normal crown
	neg. negative
	no. or # number
O	o.c. on centers
	o.f. other face
	OD outside diameter
P	PC point of curve
	PCC point of compound curve
	perf. perforate
	PI point of intersection
	pl. plate
	POC point on curve
	POS point on spiral
	POT point on tangent
	proj. project
	psi pounds per square inch
	PT point of tangent
	pvmnt. pavement
Q	quant., Qty quantities
R	R radius
	R. range
	R/W right-of-way
	rd. road
	rdwy. roadway
	reconst. reconstruction
	reinf. reinforcement
	reqd. required
	res. reservoir
	Res. Reservation
	ret. wall retaining wall
	RH reference hub
	Rt. or RT right
	rte. route
S	s south
	SADT seasonal average daily traffic
	SC point of spiral to curve
	sec. section
	shldr. shoulder
	spa. spacing, Spaces or Spaced
	spec. specification
	st. street
	ST point of spiral to tangent
	sta. station
	std. standard
	stiff. stiffener
	str. straight
	struc. structural
	sym. symmetrical
T	T tangent length
	T. township
	tan. tangent
	TBM temporary bench mark
	TCE temporary construction easement
	transv. transverse
	TS point of tangent to spiral
	typ. typical
V	V design speed
	vert. vertical
	vph vehicles per hour
	VPI vertical point of intersection
W	W west

DRAINAGE SYMBOLS

<i>Ditch (Existing, Proposed)</i>	
<i>Flow Arrow</i>	
<i>Drainage or Small Creek</i>	
<i>Lake, Pond or Reservoir</i>	
<i>Large Creek</i>	
<i>Wetland</i>	
<i>River</i>	
<i>Spring</i>	
<i>Bridge (Existing, Proposed)</i>	
<i>Box Culvert (Existing, Proposed)</i>	
<i>Pipe Culvert (Existing, Proposed)</i>	
<i>With End Sections (Existing, Proposed)</i>	
<i>With Headwalls (Existing, Proposed)</i>	
<i>With Drop Inlet (Existing, Proposed)</i>	
<i>Underdrain (Existing, Proposed)</i>	
<i>Riprap Apron (Proposed)</i>	

EROSION CONTROL SYMBOLS

<i>Mulching, Bonded Fiber Matrix</i>	
<i>Check Dam</i>	
<i>Diversion Berm</i>	
<i>Erosion Control Mat</i>	
<i>Riprap</i>	
<i>Sediment Log at:</i>	
<i>Culvert Inlet With End Section</i>	
<i>Culvert Inlet With Head and/or Wing Walls</i>	
<i>Ditch and/or Cut Slope</i>	
<i>Drop Inlet</i>	
<i>Slope Protection (Wattle)</i>	
<i>Silt Fence</i>	

FENCE & CATTLEGUARD SYMBOLS

<i>Fence (Existing, Proposed)</i>	
<i>Fence w/ Gate (Existing, Proposed)</i>	
<i>Cattleguard (Existing, Proposed)</i>	

GEOLOGIC SYMBOLS

<i>Boring Location (Existing, Proposed)</i>	
<i>Material Source</i>	

REG	STATE	PROJECT	SHEET NO.	TOTAL SHEETS


U.S. DEPARTMENT OF TRANSPORTATION
 FEDERAL HIGHWAY ADMINISTRATION
 CENTRAL FEDERAL LANDS HIGHWAY DIVISION


U.S. CUSTOMARY

**CONVENTIONAL PLAN
 SYMBOLS AND ABBREVIATIONS**


Sheet 1 of 2


LANDSCAPING & VEGETATION SYMBOLS


Tree 

Treeline 

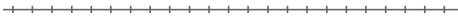
MAPPING SYMBOLS


Building (Existing, Proposed) 


Coordinate Grid Tick 

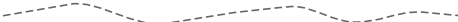
North Arrow 


Railroad

Single Track 

Double Track 


Spot Elevation 


Trail 


Traverse Point (Horizontal & Vertical) 


RIGHT-OF-WAY SYMBOLS


Boundaries

National 


State 

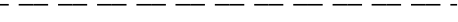
County 


City 


Township or Range Line 


Section


1/4 Section 


1/16 Section 

Bureau of Indian Affairs 


Bureau of Land Management 


National Forest 

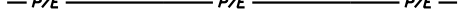
National Park 

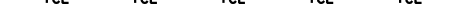
National Wildlife Refuge 

Easements

Construction & Maintenance 

Permanent (Existing) 

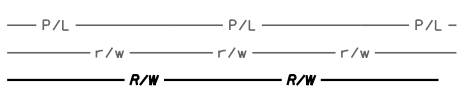
Permanent (Proposed) 

Temporary (Proposed) 

Monument (As described)



Parcel Number



Section Corner (Found, Projected)




1/4 Section Corner (Found, Projected)

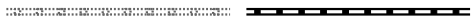



1/16 Section Corner (Found)




GUARDRAIL, BARRIER & WALL SYMBOLS

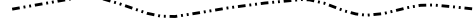
Guardrail (Existing, Proposed) 

Guardwall (Existing, Proposed) 


Median & Side Barrier (Existing, Proposed) 


Retaining Wall (Existing, Proposed) 


ROADWAY SYMBOLS

Clearing/Construction Limits 


Slope Stake Limits


Top of Cut 


Transition 

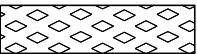
Toe of Fill 

Edge of Roadway

Existing 


Proposed 


Roadway Centerline (With Station ticks) 


Roadway Obliteration 


SIGN SYMBOLS

Signs

Commercial (Existing, Proposed) 


Delineator (Existing, Proposed) 


Portable (Proposed) 


Post Mounted (Existing, Proposed) 


UTILITY SYMBOLS


Irrigation Ditch

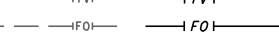
Underground (Existing, Proposed) 

Support Pole (Existing, Proposed) 


Support Pole Anchor (Existing, Proposed) 

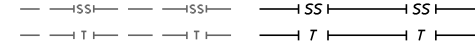
Street Light (Existing, Proposed) 


Telephone Booth (Existing, Proposed) 


Telephone Pedestal (Existing, Proposed) 


Underground Utility (Existing, Proposed)


CATV 


Fiber Optic 


Gas 

Oil 

Power 

Sanitary Sewer 

Telephone 

Water 

MISCELLANEOUS SYMBOLS

See Note 4 

PROJECT SPECIFIC SYMBOLS

REG	STATE	PROJECT	SHEET NO.	TOTAL SHEETS

U.S. DEPARTMENT OF TRANSPORTATION
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 CENTRAL FEDERAL LANDS HIGHWAY DIVISION

U.S. CUSTOMARY

**CONVENTIONAL PLAN
 SYMBOLS AND ABBREVIATIONS**

Sheet 2 of 2

C:\Your_project\Roadway\Figures\Web\Symbols_Template.dgn | Symbols_Template.dgn
 10/2/2007 12:09:24 PM

Instructions

(Conventional Plan Symbol & Abbreviations)

- Switch between models to get Metric or U.S. Customary Units Symbol Sheet and between Sheets 1 & 2.

Name	Model
Graphics Views	Graphics
Metric Sheet 1	Metric Sheet 1
Metric Sheet 2	Metric Sheet 2
US Customary Sheet 1	US Customary Sheet 1
US Customary Sheet 2	US Customary Sheet 2

The Symbol Sheet drawing contains five models: Metric(Sheet 1 & 2), U.S. Customary (Sheet 1 & 2) and the Graphics model which contains the actual graphics, abbreviations and linestyles. The Graphics model is referenced into the other models where the border and project information is located. **DO NOT MODIFY THE "GRAPHICS" MODEL.** Any project specific symbols shall be placed on Sheet 2 in the right hand column. You will need linestyle resource files attached in order for the linestyles to show up and print properly.

- Grey elements are notes for the user (They are construction elements and will not plot)
- Attach project Border to drawing; it will attach in the correct location.
- Paste continuation of "INDEX OF SHEETS" from Excel spreadsheet into drawing.

	A	B	C
1	INDEX TO SHEETS		
2	SHEET	DESCRIPTION	
3	A1	TITLE SHEET	
4	A2	CONVENTIONAL PLAN SYMBOLS & ABBREVIATIONS	
5			
6			
7			
8	← 14 →	← 55 →	
9			
10			
11			

Annotations: Text Size Verdana Font (pointing to cell 1, B), Row Height (bracketed on the right), Column Width (bracketed at the bottom), and yellow star callouts with numbers 14 and 10.

Edit > Paste special



You can paste a picture of the spreadsheet or link it so it updates automatically

Place by corners and snap to grey box in Sheet 1 of Conventional Plan Symbols & Abbreviations