



T.D.O.T SURVEY SMD FEATURE CODES

GEOPAK FEATURE CODES

TRANSPORTATION FEATURES

IN DTM

BE	Business Entrance.....	Y-2
BIKE	Bike Path	Y-2
CU	Curb (At Bottom W/BL At Top).....	Y-2
DR	Driveway.....	Y-2
EP	Edge Of Pavement	Y-2
FE	Field Entrance	Y-2
GRM	Guardrail Median	NO
GRL	Guardrail Left.....	NO
GRR	Guardrail Right	NO
IMP	Impact Attenuator	Y-1
JB	Jersey Barrier	Y-2
MED	Median	Y-2
PK	Parking Lot	Y-2
RD	Edge Of Road	Y-2
RR	Railroad	Y-2
RRSS	Railroad Sw. Stand	Y-2
RWAY	Airport Runway	Y-2
RWT	Ret. Wall (At Bottom W/BL At Top)	Y-2
RWTWF	Ret. Wall W/Fence(At Bottom W/BL At Top).....	Y-2
SWT	Sidewalk	Y-2
SH	Edge Of Shoulder	Y-2
TRAIL	Trail	Y-2
TUN	Tunnel.....	NO
XHRAMP.....	Handicap Curb Opening	NO
XRRSW.....	Railroad Switch.....	Y-1

NON-TRANS FEATURES

IN DTM

AFLD	Athletic Field	Y-2
BC	Building	Y-4
CG	Cattle Guard	Y-1
CEM	Cemetery	Y-1
FN	Fence.....	Y-1
GATE	Gate	Y-1
GRAVE	Grave.....	Y-1
PAD	Miscellaneous Pad	Y-2
PIT	Quarry or Pit	Y-2
ROCKW	Rock Wall	Y-2
RWP	Ret. Wall (Private) (AT BOTTOM W/BL AT TOP)	Y-2
RWPWF	Ret. Wall W/Fence (AT BOTTOM W/BL AT TOP)	Y2
SEP	Septic Field Line.....	Y-1
SIGNP	Sign (Private).....	NO
SWP	Sidewalk (Private).....	Y-2
TANK	Tank (UG or Above Ground).....	NO
TOWER.....	Tower	Y-1
XBLDR	Boulder	Y-1
XFE	Floor Elevation.....	NO
XFLAG	Flag Pole	Y-1
XFP	Fence Post	Y-1
XMB	Mail Box.....	Y-1
XSATLIT	Satellite Dish.....	Y-1
XSEP	Septic Tank.....	Y-1
XWELL.....	Well.....	NO

DRAINAGE

IN DTM

ABUT	Bridge Abutment.....	Y-2
APRON	Paved Apron.....	Y-2
BEAM	Bridge Bottom Beam	NO
BRI	Bridge	NO
CRK	Creek	Y-2
CRKB	Creek Bed.....	Y-2
CV	Culvert	Y-1
DAM	Dam	Y-2
DECK	Bridge Deck breaklines.....	NO
DIKE	Dike	Y-2
DIT	Paved Ditch	Y-2
DOWN.....	Downstream Flood Section	NO

EW	End Wall (At Bottom W/BL At Top)	Y-2
GAGE	Stream Gage.....	Y-1
LAKE	Lake	Y-2
LEVEE	Levee	Y-2
PIER	Bridge Pier	Y-2
PIPE	Pipe.....	Y-1
POND	Pond.....	Y-2
RIVER.....	River.....	Y-2
RPDS	Rapids/Waterfall.....	Y-2
RRAP	Rip-Rap.....	Y-2
SINK	Sinkhole	Y-2
SPILL	Spillway.....	Y-2
?STS	Storm Sewer	NO
SKE	Bridge Sketch.....	NO
TB	Top Of Bank	Y-2
UP.....	Upstream Flood Section.....	NO
WET	Wetland Boundary.....	Y-2
XBOT.....	Bottom Of MH, CB, Etc.	NO
XCB	Catch Basin.....	Y-1
XDECK	Bridge Deck.....	NO
XDI.....	Drop Inlet.....	Y-1
XHW	High Water Elevation Point	Y-2
XNW	Normal Water Elevation Point.....	Y-2
XSPRING	Spring.....	Y-1
XMHSTS.....	Storm Sewer Manhole.....	Y-1

R.O.W./PROPERTY

IN DTM

ESMT.....	Easement.....	NO
ESMTD	Drainage Easement	NO
PARCEL	Parcels	NO
PL	Property Line.....	NO
PLWF.....	PL W/Fence	NO
ROW	ROW Line.....	NO
ROWWF	ROW W/Fence	NO
XIP	Iron Pin Existing	NO
XMON.....	Concrete Marker	NO
XPL.....	Property Corner.....	NO
XROW	R.O.W. Monument	NO
XROWA	ROW Monument(inline).....	NO
XROWB	ROW Monument(corner).....	NO

POLITICAL BOUNDARIES

IN DTM

CITY	City Limits.....	NO
COUNTY	County Line	NO
STATE	State Line	NO

UTILITIES

IN DTM

?GL.....	Gas Line	NO
OHW	Overhead Wire.....	NO
PTOW	Trans. Tower	Y-1
?SAS	Sanitary Sewer.....	NO
?FMS	Force Main Sanitary Sewer.....	NO
UGF	Fiber Optic (UG)	NO
UGP	Power (UG)	NO
UGPT.....	Power/Tel. (UG)	NO
UGT	Telephone (UG)	NO
UGC	Cable (UG)	NO
?WL	Water Line	NO
XFH	Fire Hydrant	NO
XGAA.....	Guy Device Angle Anchor	Y-1
XGM	Gas Meter	NO
XGV	Gas Valve.....	NO
XGVA.....	Guy Device Vertical Anchor	Y-1
XGW	Guy Wire	Y-1
XLP1.....	Light Pole 1 Light	Y-1
XLP2.....	Light Pole 2 Lights	Y-1
XLP3.....	Light Pole 3 Lights	Y-1
XLP4.....	Light Pole 4 Lights	Y-1
XLW	Low Wire Crossing	NO
XMH.....	Manhole	Y-1

T.D.O.T SURVEY SMD FEATURE CODES

XMHC	Cable Manhole	Y-1
XMHF	Fiber Optic Manhole	Y-1
XMHG	Manhole Gas	Y-1
XMHP	Manhole Power	Y-1
XMHSAS	Sewer Manhole	Y-1
XSM	Sewer Meter	NO
XSV	Sewer Valve	NO
XUM	Misc. Utility Feature	NO
UM	Misc. Utility Line	NO
XMHT	Telephone Manhole	Y-1
XMHW	Manhole Water	NO
XPB	Utility Boxes (pull box)	NO
XUP	Utility Pole	Y-1
XUPL	Utility Pole with Light	Y-1
XHMLPH	High Mast Light (half)	Y-1
XHMLPF	High Mast Light (full)	Y-1
XLCC	Lighting Control Center	NO
XOFTLP	Offset Type Luminaire & Pole	Y-1
XTBOOTH	Telephone Booth	Y-1
XTBOX	Telephone Box	Y-1
XTGP	Telegraph Pole	Y-1
XTPED	Tele. Pedestal	Y-1
XTOWER	Radio/TV Tower	Y-1
XCPE	Cable Pedestal	Y-1
XWM	Water Meter	NO
XWV	Water Valve	NO

VEGETATION

IN DTM

TREE	Tree Drip Line	Y-1
HEDGE	Hedge Line	Y-1
XBUSH	Bush	Y-1
XTREE	Tree	Y-1
(COMMENT : ??" TREE TYPE)		

TRAFFIC CONTROL

IN DTM

BARR	Barricade	NO
LDECT	Loop Detector	NO
LLD	Lane Line Dashed	Y-1
LLS	Lane Line Solid	Y-1
SIGNT	Transportation Sign	NO
XOHS	Overhead Sign EX: SCHOOL X	NO
XPDMC	Pad Mounted Controller	NO
XPDSHN	Pedestrian Signal	NO
XPMLC	Pole Mounted Controller	NO
XPPH	Pedestrian Pushbutton	NO
XPULLB	Pull Box	NO
XRRFS	RR Flashing Signal Crossing	NO
XRRFSG	RR Flashing Signal Crossing W/Gate	NO
XRRSIG	Railroad Signal	NO
XSHN	Traffic Signal Head	NO
XSHNB	Signal Head W/Backplate	NO
XSIGN1	Small 1-Post Sign	Y-1
XSIGN2	Small 2-Post Sign	Y-1
X2SIGN	Small 2-Faced Sign	Y-1
XSPSS	Strainpole	Y-1
XWPSS	Wood Signal Pole	Y-1

TRAFFIC CONTROL (PAVT. MARKING)

IN DTM

NOTE: LOC. ALL PVMT ARROWS AT CENTER OF TRAFFIC LANE RELATIVE TO BOTTOM OF ARROW

CWALK	Crosswalk	NO
STOP	Stop Bar	NO
XLAR	Left Arrow Pave. Mark.	NO
XLRAR	LT & RT Arrow	NO
XONLY	Only Pave. Mark.	NO
XPVXT	Pave. Marking Words (CENTER)	NO
XRAR	Right Arrow Pave. Mark.	NO
XRRPAV	Railroad Xing Pave. Mark.	NO
XSAR	Straight Arrow	NO
XRARI	Right Arrow Interstate	NO
XSARI	Straight Arrow Interstate	NO
XSRARI	Straight & Right Arrow Interstate	NO
XHOV	HOV Diamond	NO
XSLAR	Str & Lt Arrow	NO
XSLRAR	Str, Lt & Rt Arrow	NO
XSRAR	Str & Rt Arrow	NO

TERRAIN MODEL

IN DTM

BL	Breakline	Y-2
OL	Obscure Line	Y-4
XP	GROUND POINT	Y-1

SURVEY CONTROL

IN DTM

XBM	Bench Mark	NO
XCP	Control Point	Y-1
XCK	Check Point	NO
XTRAV	Traverse Point	Y-1
XSPUR	Temporary Survey Point	NO
XH	Horz. Photo Point	Y-1
XV	Vert. Photo Point	Y-1
XHV	Horz/Vert Photo Point	Y-1

MISCELLANEOUS & DEFAULT CODES

IN DTM

DEFAULT_CHAIN	default item	NO
DEFAULT_CURVE	default item	NO
DEFAULT_LINE	default item	NO
DEFAULT_PARCEL	default item	NO
DEFAULT_POINT	default item	NO
DEFAULT_SPIRAL	default item	NO
DASH	Dash Line	NO
DOT	Dotted Line	NO
LD	Long Dash Line	NO
MISC	Miscellaneous	NO
SOLID	Solid Line	NO
XMISC	Misc. unknown point	NO

OFFICE CODES

IN DTM

CL	Proposed Centerline	NO
DBDRY	Drainage Map Boundary	NO
EXCL	Existing Centerline	NO
STRCL	Stream Baseline	NO
X_PROPERTY	Property development	NO
XPOINT	HiVis Generic Office Pt	NO

DTM CODES	
NO----- Do Not Include in DTM	Y-5----- Include as a Break Void in DTM
Y-1----- Include as a Spot in DTM	Y-6----- Include as a Island in DTM
Y-2----- Include as a Spot and a Break Line in DTM	Y-7----- Include as a Boundary in DTM
Y-3----- Include as a Void in DTM	Y-8----- Include as a Contour in DTM
Y-4----- Include as a Drape Void in DTM	

T.D.O.T SURVEY SMD FEATURE CODES

CURRENT REVISION LIST		
DATE	FEATURE CODE	REVISION
04/27/05		
	ALL	UPDATED FOR V8
02/17/06	NA	CHANGED LAYOUT, CHANGED DESCRIPTION FOR XMHC
	CU, SWT, XHRAMP	CHANGED COLOR TO 64
	XPL	CHANGED LOCATOR
04/19/06	CV, PIPE	CHANGED ELEVATION LEVEL
	20GL	ADDED 20" GAS LINE
09/22/06	EP, RD, XBM, XCP, XTRAV, XSPUR, XH, XV, XHV	CHANGED TEXT SIZE TO MATCH CADD MANUAL
11/03/06	XTREE	CORRECTED SIZE ADJUSTMENT FEATURE
12/05/07	XCK	ADDED XCK FEATURE CODE
03/25/08	XMISC	CHANGED LEVEL
05/19/09	CV & PIPE	CHANGED ELEVATION TO TEXT LEVEL