

WSDOT InRoads Feature Code Reference Fieldcodes by LEVEL With Codes

5/27/2008

General Notes for InRoads Field Collection

1. **Always** use the Standard Survey Codes.
2. Record descriptive data as a " Note" record in the data collector. Don't add it after the code.
3. Use ' **ST** ' to start code strings. Do not use ' **END** '. InRoads will stop the 1st line at the last code and start the new string at next instance of the same feature with an 'ST' following it.
4. Append a # **suffix (1-99)** to a code for multiple instances of the same feature at the same time; i.e., FT1, FT2.
5. Curved strings can be collected by using ' **PC** ' and ' **PT** ' codes. For example:
CF PC at the beginning of the curve section
CF Min of 2 shots along radius between PC & PT
CF PT at the end of curve section
6. InRoads allows the use of 'Dual Codes.' At the same shot you can have multiple codes. For example:
EP ST(space)**CF ST** (space)**M H**
7. Do not cross 3D breaklines.
8. Collect linework data in direction of increasing point nos.
9. Increasing the number of shots along a breakline will improve the DTM
10. Take shots whenever there is an elevation or angle point on feature.
11. Do not exceed 50 ft spacing on pavement or 150 ft spacing on original ground.
12. Do not shoot more than 750 ft away from the instrument.
13. Set Zero on your backsight and check in often
14. Download and process data collector files daily.
15. Keep track of point numbers used on previous jobs
16. InRoads does not allow random single point observations of breakline feature codes (EL, EPS, etc.) InRoads will connect these as linework in the DTM. To avoid this, use a random 'G' or 'P' code and add a note record describing the feature. i.e., 'P' - Note record 'EP'
17. DNC elements aren't included when building DTM Triangles.
18. When shooting close, parallel line strings like CF and CBT take a shot of each feature at the same intervals.
19. For more info - In Inroads Survey go to **Survey=>Feature Table=>Click the Control Code tab=>Help.**
20. 2D/3D also includes EXTERior and INTERior features

Produced by WSDOT CAE

Level Name	Field Code	P/L	2D/3D
BL_LN_AspphaltPvmntBreak	APB	Line	3D
BL_LN_BankBottom	BB	Line	3D
BL_LN_BanksLineforPlotting	BNKS	Line	3D
BL_LN_BankTop	BT	Line	3D
BL_LN_BreaklineGeneric	BKL	Line	3D
BL_LN_ConcretePvmntBreak	CPB	Line	3D
BL_LN_CrownofRoad	CR	Line	3D
BL_LN_CutBottom	CUTB	Line	3D
BL_LN_CutTop	CUTT	Line	3D
BL_LN_FillToe	FT	Line	3D
BL_LN_FillTop	FTOP	Line	3D
BL_LN_LineofSight	LOS	Line	2D
BL_LN_NonStandard	NSL	Line	3D
BL_LN_ObscureArea	OBS	Line	3D
BL_LN_PartiallyObscureArea	APP	Line	3D
BL_LN_PvmntBreakBridge	BRPB	Line	2D
BL_LN_PvmntBreakTunnel	TNPB	Line	2D
BL_LN_RockLine	ROCKL	Line	3D
BL_LN_StressFracture	SF	Line	2D
BL_LN_TopographyLimit	TPL	Line	3D
BL_LN_TopographyLimitClosed	TPLC	Line	3D
BL_LN_TransverseFeature	TRF	Line	3D
BL_PT_Concreteselective	C	Point	3D
BL_PT_DTMCheck	CHECK	Point	2D
BL_PT_Groundselective	G	Point	3D
BL_PT_NonStandard	NS	Point	3D
BL_PT_Pvmntselective	P	Point	3D
BL_PT_Rock	ROCK	Point	3D
BL_PT_SoilPit	SOILP	Point	3D
BL_PT_Sounding	SN	Point	3D
DR_PP_AspphaltDitch	AD	Line	3D
DR_PP_CatchBasinFlowLine1	CBaFL	Point	2D
DR_PP_CatchBasinFlowLine2	CBbFL	Point	2D
DR_PP_CatchBasinFlowLine3	CBcFL	Point	2D
DR_PP_CatchBasinFlowLine4	CBdFL	Point	2D
DR_PP_CatchBasinFlowLine5	CBeFL	Point	2D
DR_PP_CatchBasinFlowLine6	CBfFL	Point	2D
DR_PP_CatchBasinFlowLine7	CBgFL	Point	2D
DR_PP_CatchBasinFlowLine8	CBhFL	Point	2D
DR_PP_DetentionPond	DPND	Line	2D
DR_PP_DetentionPondBottom	DPNDB	Line	2D
DR_PP_DirectionofPipe	DIRP	Point	3D
DR_PP_DitchBottom	DBD	Line	3D
DR_PP_DitchBottomBack	DBB	Line	3D
DR_PP_DitchBottomNoDir	DB	Line	3D
DR_PP_DrainLine	DRL	Line	2D
DR_PP_DrainPipe	DP	Line	2D
DR_PP_FlowLineForPipes	PIPEFL	Point	2D
DR_PP_Flume	FLUME	Point	2D
DR_PP_Spring	SPG	Line	3D
DR_PP_StormSewerLine	UST	Line	2D
DR_PP_UnderDrainLine	UDRL	Line	2D
DR_ST_ArealInlet	AI	Point	3D
DR_ST_ArealInletBridge	BRAI	Point	2D
DR_ST_ArealInletTunnel	TNAI	Point	2D
DR_ST_BoxCulvert	BCUL	Line	2D
DR_ST_CastMetalInlet	CMI	Point	3D
DR_ST_CatchBasin	CBbD	Point	2D
DR_ST_CatchBasin3D	CB	Point	3D
DR_ST_CatchBasinBridge	BRCB	Point	2D

Level Name	Field Code	P/L	2D/3D
DR_ST_CatchBasinTunnel	TNCB	Point	2D
DR_ST_ConcreteInlet	CI	Point	3D
DR_ST_Culvert	CUL	Line	2D
DR_ST_DrainBridge	BRD	Point	2D
DR_ST_Drainfield	DFLD	Line	3D
DR_ST_DrainTunnel	TND	Point	2D
DR_ST_DropInlet	DI	Point	3D
DR_ST_DropInletType2	Dib	Point	2D
DR_ST_DryWell	DW	Point	2D
DR_ST_GratelInlet	GI	Point	3D
DR_ST_GratelInletBridge	BRGI	Point	2D
DR_ST_GratelInletTunnel	TNGI	Point	2D
DR_ST_HeadWall	HDW	Line	3D
DR_ST_HeadWallBottom	HDWB	Line	3D
DR_ST_HeadWallTop	HDWT	Line	3D
DR_ST_InletGeneric	INL	Point	3D
DR_ST_Manhole	MH	Point	3D
DR_ST_ManholeBridge	BRMH	Point	2D
DR_ST_ManholeTunnel	TNMH	Point	2D
DR_ST_StormSewerCleanOut	STMCO	Point	3D
DR_ST_WingWall	WW	Line	3D
DR_ST_WingWallBottom	WWB	Line	3D
DR_ST_WingWallTop	WWT	Line	3D
DS_GE_GenericRandomBlue	GRNDBL	Point	3D
DS_GE_GenericRandomCyan	GRNDCY	Point	3D
DS_GE_GenericRandomGreen	GRNDGR	Point	3D
DS_GE_GenericRandomOrange	GRNDOR	Point	3D
DS_GE_GenericRandomRed	GRNDRED	Point	3D
DS_GE_GenericRandomViolet	GRNDVIO	Point	3D
DS_GE_GenericRandomWhite	GRNDWH	Point	3D
DS_GE_GenericRandomYellow	GRNDYEL	Point	3D
EV_EC_InletCover	INLC	Point	2D
EV_EC_InletFilter	INLF	Point	2D
EV_EC_InletInsert	INLI	Point	2D
EV_EC_OrdinaryHighWaterLine	OHW	Line	2D
EV_IR_IrrigBox	IRBX	Point	2D
EV_IR_IrrigController	IRC	Point	2D
EV_IR_IrrigLineLateral	IRLL	Line	2D
EV_IR_IrrigLineMain	IRL	Line	2D
EV_IR_IrrigMeter	IRM	Point	2D
EV_IR_IrrigSprinklerHead75	IRSHTQ	Point	2D
EV_IR_IrrigSprinklerHeadFull	IRSH	Point	2D
EV_IR_IrrigSprinklerHeadHalf	IRSHH	Point	2D
EV_IR_IrrigValve	IRV	Point	2D
EV_WL_BiofiltrationSwale	BIOF	Line	3D
EV_WL_EnvResourceAreaBndry	ERAB	Line	3D
EV_WL_EstITidalHiSaltMarsh	EI	Line	3D
EV_WL_EstSTidalLoSaltMarsh	ESUB	Line	3D
EV_WL_PalEmergentFreshMarsh	PEM	Line	3D
EV_WL_PalForested	PFO	Line	3D
EV_WL_PalOpenFreshPond	POW	Line	3D
EV_WL_PalScrubShrub	PSS	Line	3D
EV_WL_StormWaterTrtmnt	SWTA	Line	3D
EV_WL_WetlandBndry	WLB	Line	3D
EV_WL_WetlandFlag	WLF	Point	3D
EV_WL_WetlandSymb	MSYM	Point	2D
PM_MN_BackSightCheck	BSCK	Point	2D
PM_MN_BenchMark	BM	Point	2D
PM_MN_GlobalPositioningPoint	GPS	Point	2D
PM_MN_GPPInstrumentStation	IS	Point	2D

Level Name	Field Code	P/L	2D/3D
PM_MN_Monument	MON	Point	2D
PM_MN_MonumentCaseandCover	MCC	Point	2D
PM_MN_MonumentonRecord	RMON	Point	2D
PM_MN_PrimaryControlPoint	CP	Point	2D
PM_MN_TempBenchMark	TBM	Point	2D
PM_MN_TempControlPoint	TCP	Point	2D
PM_PH_PhotoCenter	PHCEN	Point	2D
PM_PH_PhotoGridTic	PHTIC	Point	2D
PM_PH_PhotoHorVertControlPoint	PHCP	Point	2D
PM_PH_PhotoVertControlPoint	VCP	Point	2D
RD_BM_AsphaltBerm	ABRM	Line	3D
RD_BM_NoiseBerm	NB	Line	3D
RD_BR_BarrierCenter	BA	Line	2D
RD_BR_BarrierFace	BF	Line	3D
RD_BR_BarrierFaceBridge	BRBF	Line	2D
RD_BR_BarrierFaceTunnel	TNBF	Line	2D
RD_BR_BarrierTop	BAT	Line	2D
RD_BR_BarrierTopBridge	BRBT	Line	2D
RD_BR_BarrierTopTunnel	TNBAT	Line	2D
RD_BR_Bollard	BOL	Point	2D
RD_BR_CableBarrier	CBAR	Line	2D
RD_BR_Fence	FEbD	Line	2D
RD_BR_Fence3D	FE	Line	3D
RD_BR_FenceRWPlan	FENRW	Line	2D
RD_BR_Gate	GATE	Point	3D
RD_BR_Guardrail	GRbD	Line	2D
RD_BR_Guardrail3D	GR	Line	3D
RD_BR_GuardrailAnchor	GRA	Point	3D
RD_BR_GuardRailBridge	BRGR	Line	2D
RD_BR_GuardRailTunnel	TNGR	Line	2D
RD_BR_GuidePost	GP	Point	2D
RD_BR_ImpactAttenuator	IA	Point	2D
RD_CG_CurbAndGutter	CGF	Line	3D
RD_CG_CurbAsphaltFace	AC	Line	3D
RD_CG_CurbBack	CBB	Line	3D
RD_CG_CurbFace	CF	Line	3D
RD_CG_CurbFace2D	CFbD	Line	2D
RD_CG_CurbFaceBridge	BRCF	Line	2D
RD_CG_CurbFaceTunnel	TNCF	Line	2D
RD_CG_CurbTop	CBT	Line	3D
RD_CG_CurbTop2D	CTbD	Line	2D
RD_CG_CurbTopBridge	BRCBT	Line	2D
RD_CG_CurbTopTunnel	TNCBT	Line	2D
RD_CG_CurbTrafficIslandsFaceBridge	BRCFTI	Line	2D
RD_CG_CurbTrafficIslandsFaceTunnel	TNCFTI	Line	2D
RD_CG_CurbTrafficIslandFace	CFTI	Line	3D
RD_CG_CurbWoodenFace	WC	Line	3D
RD_CG_GutterFace	GF	Line	3D
RD_CG_Sidewalk	SW	Line	3D
RD_CG_SidewalkBack	SWB	Line	3D
RD_CG_SidewalkBackBridge	BRSWB	Line	2D
RD_CG_SidewalkBackTunnel	TNSWB	Line	2D
RD_CG_SidewalkBridge	BRSW	Line	2D
RD_CG_SidewalkFace	SWF	Line	3D
RD_CG_SidewalkRamp	SWR	Line	3D
RD_CG_SidewalkTunnel	TNSW	Line	2D
RD_ED_BikePathEdge	BIKEE	Line	3D
RD_ED_DrivewayEdge	EDW	Line	3D
RD_ED_DrivewayGravelEdge	EGDW	Line	3D
RD_ED_DrivewayPavedEdge	EPDW	Line	3D

Level Name	Field Code	P/L	2D/3D
RD_ED_GenericEdgeGravel	ROADEGG	Line	3D
RD_ED_GenericEdgePaved	PROADEG	Line	3D
RD_ED_PedPathEdge	PATH	Line	3D
RD_ED_RoadwayETWGravel	EGR	Line	3D
RD_ED_RoadwayETWPaved	EP	Line	3D
RD_ED_ShoulderBSTEdge	EBST	Line	3D
RD_ED_ShoulderGravelEdge	EGS	Line	3D
RD_ED_ShoulderPavedEdge	EPS	Line	3D
RD_MC_ClearZoneInventoryBndry	CZONE	Line	3D
RD_MK_AerialSurvIncMarkFull	ASMF	Point	3D
RD_MK_AerialSurvIncMarkHalf	ASMH	Point	3D
RD_MK_BikeSymb	BIKE	Point	2D
RD_MK_BikeSymbArrow	BIKEA	Point	2D
RD_MK_DrainageMark	DM	Point	3D
RD_MK_DrainageMarkCatchBasin	DMCB	Point	3D
RD_MK_HCapParkingSymb	HPSS	Point	2D
RD_MK_HOV_Symb	PLS	Point	2D
RD_MK_JBoxMarker	JBM	Point	2D
RD_MK_LineBarrier	BL	Line	3D
RD_MK_LineBarrierDNC	BLDNC	Line	2D
RD_MK_LineCrosswalk	CWL	Line	3D
RD_MK_LineCrosswalkDNC	CWDNC	Line	2D
RD_MK_LineDbiYellowCenter	DY	Line	3D
RD_MK_LineDbiYellowCenterDNC	DYDNC	Line	2D
RD_MK_LineDottedExtension	DEL	Line	3D
RD_MK_LineDottedExtensionDNC	DELDNC	Line	2D
RD_MK_LineDottedWide	DWL	Line	3D
RD_MK_LineDottedWideDNC	DWLDNC	Line	2D
RD_MK_LineDropLane	DLL	Line	3D
RD_MK_LineDropLaneDNC	DLLDNC	Line	2D
RD_MK_LineEdgeWhite	EL	Line	3D
RD_MK_LineEdgeWhiteDNC	ELDNC	Line	2D
RD_MK_LineEdgeYellow	ELY	Line	3D
RD_MK_LineEdgeYellowDNC	ELYDNC	Line	2D
RD_MK_LineGeneric	GL	Line	3D
RD_MK_LineGenericDNC	GLDNC	Line	2D
RD_MK_LineLane	LL	Line	3D
RD_MK_LineLaneDNC	LLDNC	Line	2D
RD_MK_LineNoPass	NPL	Line	3D
RD_MK_LineNoPassDNC	NPLDNC	Line	2D
RD_MK_LineRaisedPvmntMarker	RPML	Line	3D
RD_MK_LineRaisedPvmntMarkerDNC	RPMLDNC	Line	2D
RD_MK_LineReversibleLane	RLL	Line	3D
RD_MK_LineReversibleLaneDNC	RLLDNC	Line	2D
RD_MK_LineSkipCenter	SCL	Line	3D
RD_MK_LineSkipCenterDNC	SCLDNC	Line	2D
RD_MK_LineSkipWide	WLS	Line	3D
RD_MK_LineSkipWideDNC	WLSDNC	Line	2D
RD_MK_LineStop	SL	Line	3D
RD_MK_LineStopDNC	SLDNC	Line	2D
RD_MK_LineTwoWayLtTurn	TWLT	Line	3D
RD_MK_LineTwoWayLtTurnDNC	TWLTDNC	Line	2D
RD_MK_LineWide	WL	Line	3D
RD_MK_LineWideDNC	WLDNC	Line	2D
RD_MK_OnlySymbol	TLET	Point	2D
RD_MK_RaisedPvmntMarkerType1	RPMaT	Point	2D
RD_MK_RaisedPvmntMarkerType2	RPMbT	Point	2D
RD_MK_RaisedPvmntMarkerType3	RPMcT	Point	2D
RD_MK_RRSymb	RRS	Point	2D
RD_MK_RumbleStrip	RS	Line	2D

Level Name	Field Code	P/L	2D/3D
RD_MK_TrafficArrowType1S	TAS	Point	2D
RD_MK_TrafficArrowType2L	TAL	Point	2D
RD_MK_TrafficArrowType2R	TAR	Point	2D
RD_MK_TrafficArrowType3LS	TALS	Point	2D
RD_MK_TrafficArrowType3RS	TARS	Point	2D
RD_MK_TrafficArrowType4LR	TALR	Point	2D
RD_MK_TrafficArrowType5BigS	TABS	Point	2D
RD_MK_TrafficArrowType6L	TALF	Point	2D
RD_MK_TrafficArrowType6R	TARF	Point	2D
RD_MK_TrafficArrowType7LRS	TALRS	Point	2D
RD_MK_TrafficButton	TBUT	Point	2D
RW_BD_RWMarker	ROWM	Point	2D
RW_PA_FenceCorner	FC	Point	2D
RW_PA_PropertyCorner	PROPC	Point	2D
RW_SC_CenterofSection	CNTSEC	Point	2D
RW_SC_ClosingCornerFound	CCF	Point	2D
RW_SC_MeanderCornerFound	MCF	Point	2D
RW_SC_QuarterCornerFoundEW	CdFEW	Point	2D
RW_SC_QuarterCornerFoundNS	CdFNS	Point	2D
RW_SC_SectionCornerFound	SCF	Point	2D
ST_BG_BackofPvmntSeat	BPS	Line	3D
ST_BG_Bridge	BRG	Line	2D
ST_BG_BridgeApproachSlab	BAS	Line	3D
ST_BG_BridgeCenterLine	BRCL	Line	2D
ST_BG_BridgeDeckLimits	BRDKL	Line	2D
ST_BG_BridgeDeckSelective	BRDKS	Point	2D
ST_BG_BridgeExpansionJoint	BREJ	Line	2D
ST_BG_BridgeFooting	BRF	Line	2D
ST_BG_BridgeFootingBottom	BRFB	Line	2D
ST_BG_BridgeGirder	BRGRD	Line	2D
ST_BG_BridgeGroutPad	BRGTPD	Point	2D
ST_BG_BridgePier	BRP	Line	2D
ST_BG_BridgePierCapBottom	BRPCB	Line	2D
ST_BG_BridgePierCapTop	BRPCAP	Line	2D
ST_BG_BridgePierColumn	BRPC	Point	2D
ST_BG_BridgePierColumnTop	BRPCT	Line	2D
ST_BG_BridgeRail	BRAIL	Line	2D
ST_BG_BridgeSubStructure	BRSUBS	Line	2D
ST_BG_BridgeSuperStructure	BRSS	Line	2D
ST_BG_RRStructure	RRST	Line	2D
ST_BG_Structure	STUbD	Line	2D
ST_BG_Tunnel	TUN	Line	2D
ST_BG_TunnelCenterLine	TNCL	Line	2D
ST_BG_TunnelLimits	TNLMT	Line	2D
ST_BG_TunnelRail	TNRAIL	Line	2D
ST_BG_TunnelSupportColumn	TNSC	Point	2D
ST_WA_GabionWall	GBW	Line	3D
ST_WA_GabionWallBottom	GBWB	Line	3D
ST_WA_GabionWallTop	GBWT	Line	3D
ST_WA_NoiseWall	NW	Line	2D
ST_WA_NoiseWallBottom	NWB	Line	3D
ST_WA_NoiseWallTop	NWT	Line	3D
ST_WA_RetainingWall	RWbD	Line	2D
ST_WA_RetainingWallBottom	RWB	Line	3D
ST_WA_RetainingWallTop	RWT	Line	3D
TP_CN_IndexContour	ICONT	Line	3D
TP_CN_IntermediateContour	CNT	Line	3D
TP_CN_SpotElevation	SE	Point	3D
TP_MM_AreaUnderConstr	ARUC	Line	2D
TP_MM_Bench	BENCH	Line	2D

Level Name	Field Code	P/L	2D/3D
TP_MM_BoreHoleorDrillHole	BH	Point	3D
TP_MM_Building2D	BUDNC	Line	2D
TP_MM_BuildingClosed	BUINT	Line	3D
TP_MM_BuildingNotClosed	BU	Line	3D
TP_MM_BuildingUnderConst2D	BUCDNC	Line	2D
TP_MM_BuildingUnderConstClosed	BUCINT	Line	3D
TP_MM_BuildingUnderConstOpen	BUC	Line	3D
TP_MM_Canal	CANAL	Line	3D
TP_MM_ConcreteSlab	SLAB	Line	3D
TP_MM_ConcreteSlopeProtection	CSP	Line	3D
TP_MM_Dam	DAM	Line	3D
TP_MM_Deck	DECK	Line	2D
TP_MM_Dike	DIKE	Line	3D
TP_MM_DistanceTie	DTIE	Line	2D
TP_MM_Dock	DOCK	Line	2D
TP_MM_FieldLine	FLD	Line	3D
TP_MM_FlagPole	FPOLE	Point	2D
TP_MM_Foundation	FNDN	Line	2D
TP_MM_GasTank	GTANK	Point	2D
TP_MM_GravelParkingArea	GPA	Line	3D
TP_MM_HandRail	HNDRAIL	Line	2D
TP_MM_Hedge	HDGbD	Line	2D
TP_MM_Hedge3D	HDG	Line	3D
TP_MM_MailBox	MB	Point	2D
TP_MM_OilTank	OTANK	Point	2D
TP_MM_OrchardOrVineyard	ORCH	Line	3D
TP_MM_ParkingMeter	PM	Point	2D
TP_MM_Patio	PATIO	Line	2D
TP_MM_PavedArea	PAR	Line	3D
TP_MM_PavedParkingArea	PPA	Line	3D
TP_MM_Piezometer	PIEZ	Point	3D
TP_MM_Piling	PILE	Point	2D
TP_MM_Pipe	PIPE	Line	2D
TP_MM_PostMetal	POSTM	Point	2D
TP_MM_PostWood	POSTW	Point	2D
TP_MM_QuarryBndry	QB	Line	3D
TP_MM_QuarrySymb	QSY	Point	2D
TP_MM_Reservoir	RESV	Line	3D
TP_MM_RipRapEdge	RIP	Line	3D
TP_MM_RRCenterTracks	RRbD	Line	2D
TP_MM_RRCenterTracks3D	RR	Line	3D
TP_MM_RRRailTop	RRT	Line	2D
TP_MM_Ruins2D	RBUbD	Line	2D
TP_MM_Stair	STAIR	Line	2D
TP_MM_StockpileBottom	SPB	Line	3D
TP_MM_StockpileTop	SPT	Line	3D
TP_MM_Structure	STRCT	Line	2D
TP_MM_Tank	TANK	Point	2D
TP_MM_TankLine	TANKL	Line	2D
TP_MM_Trail	TRAIL	Line	3D
TP_MM_UnknownLinearObject	UOBJECT	Line	2D
TP_MM_UnknownObject	UOBJECT	Point	2D
TP_MM_WaterTank	WTANK	Point	2D
TP_MM_Well	WELL	Point	2D
TP_MM_YardLight	L	Point	2D
TP_NT_BrushLine	BRSbD	Line	2D
TP_NT_BrushLine3D	BRSH	Line	3D
TP_NT_FlowArrow	FLOARR	Point	2D
TP_NT_Forest	FRST	Line	2D
TP_NT_HighWaterLine	HWL	Line	3D

Level Name	Field Code	P/L	2D/3D
TP_NT_IntermittentStream	ISTRE	Line	3D
TP_NT_LakeEdge	LAKE	Line	3D
TP_NT_LargeBodyofWaterEdge	EW	Line	3D
TP_NT_MarshEdge	MLN	Line	3D
TP_NT_PondBottom	PONDB	Line	3D
TP_NT_PondEdge	POND	Line	3D
TP_NT_RiverEdge	RIV	Line	3D
TP_NT_StreamNonScalable	NSTRE	Line	3D
TP_NT_StreamScaleableBottom	STREB	Line	3D
TP_NT_StreamScaleableEdge	STRE	Line	3D
TP_NT_Stump	STUMP	Point	2D
TP_NT_TidalShoreline	TS	Line	3D
TP_NT_Tree3DByCenter	T	Point	3D
TP_NT_TreeByCenter	TbD	Point	2D
TP_NT_TreeByEdge	TbDE	Point	2D
TP_NT_TreeLine	TLbD	Line	2D
TP_NT_TreeLine3D	TL	Line	3D
TP_NT_UnknownLinearObject	ULOBJ	Line	2D
TP_NT_UnknownObject	UOBJ	Point	2D
TP_NT_WaterEdgeGeneric	WTEDGG	Line	3D
TR_IL_ConduitandWiring	CNDI	Line	2D
TR_IL_ControllerCabinet	CCABI	Point	2D
TR_IL_ElectricalServiceCab	ESBI	Point	2D
TR_IL_FluorescentLight	FLT	Point	2D
TR_IL_JBox1	JBaT	Point	2D
TR_IL_JBox2	JBbT	Point	2D
TR_IL_JBox3	JBcT	Point	2D
TR_IL_JBox4(Traffic-bearing)	JBdT	Point	2D
TR_IL_JBox5(Traffic-bearing)	JBeT	Point	2D
TR_IL_JBox6(Traffic-bearing)	JBfT	Point	2D
TR_IL_JBox7(Nolock)	JBgT	Point	2D
TR_IL_JBox8(Withlock)	JBhT	Point	2D
TR_IL_JBoxAerial	JBAER	Point	2D
TR_IL_JBoxNema	JBNMA	Point	2D
TR_IL_JBoxUnknown	JB	Point	2D
TR_IL_LightStdDbI Metal	LSDM	Point	2D
TR_IL_LightStdDbITimber	LSDT	Point	2D
TR_IL_LightStdGeneric	LS	Point	2D
TR_IL_LightStdQuadMetal	LSQM	Point	2D
TR_IL_LightStdSixMetal	LSSIXM	Point	2D
TR_IL_LightStdSnglMetal	LSSM	Point	2D
TR_IL_LightStdSnglTimber	LSST	Point	2D
TR_IL_LightStdTriMetal	LSTM	Point	2D
TR_IL_LuminaireDbI Underdeck	DUDL	Point	2D
TR_IL_Luminaire Underdeck	UDL	Point	2D
TR_IL_NavigationLight	NAV	Point	2D
TR_IL_PitchforkLight	PFRK	Point	2D
TR_IL_Pole	PPI	Point	2D
TR_IL_PullBox	PBOXI	Point	2D
TR_IL_SignLight	SLGHT	Point	2D
TR_IL_Strn PoleAnchor	SPA	Point	2D
TR_IL_Timber Pole	TPOL	Point	2D
TR_IL_WallpackLight	WPCK	Point	2D
TR_SG_ConduitandWiring	CNDS	Line	2D
TR_SG_ControllerCabinet	CCAB	Point	2D
TR_SG_DetLoopDiamond	DLD	Point	2D
TR_SG_DetLoopType16x15	DLaTA	Point	2D
TR_SG_DetLoopType16x30	DLaTB	Point	2D
TR_SG_DetLoopType16x50	DLaTC	Point	2D
TR_SG_DetLoopType26x6	DLbT	Point	2D

Level Name	Field Code	P/L	2D/3D
TR_SG_DetLoopType3	DLcT	Point	2D
TR_SG_DetLoopType3a	DLcAT	Point	2D
TR_SG_ElectServiceCabinet	SCAB	Point	2D
TR_SG_EmergPreemptDet	PMPTD	Point	2D
TR_SG_EmergPreemptIndicator	PMPTI	Point	2D
TR_SG_FlashingBeacon	FLBCN	Point	2D
TR_SG_JBox1	JBaTS	Point	2D
TR_SG_JBox2	JBbTS	Point	2D
TR_SG_JBox3	JBcTS	Point	2D
TR_SG_JBox4(Traffic-bearing)	JBdTS	Point	2D
TR_SG_JBox5(Traffic-bearing)	JBeTS	Point	2D
TR_SG_JBox6(Traffic-bearing)	JBfTS	Point	2D
TR_SG_JBox7(Nolock)	JBgTS	Point	2D
TR_SG_JBox8(Withlock)	JBhTS	Point	2D
TR_SG_JBoxAerial	JBAERS	Point	2D
TR_SG_JBoxNema	JBNMAS	Point	2D
TR_SG_JBoxUnknown	JBS	Point	2D
TR_SG_LightStdDbI Metal	LSDMS	Point	2D
TR_SG_LightStdDbITimber	LSDTS	Point	2D
TR_SG_LightStdGeneric	LSS	Point	2D
TR_SG_LightStdQuadMetal	LSQMS	Point	2D
TR_SG_LightStdSixMetal	LSSIXMS	Point	2D
TR_SG_LightStdSnglMetal	LSSMS	Point	2D
TR_SG_LightStdSnglTimber	LSSTS	Point	2D
TR_SG_LightStdTriMetal	LSTMS	Point	2D
TR_SG_MastArmSign	MSTAS	Point	2D
TR_SG_PedPushButton	PBUT	Point	2D
TR_SG_PedPushButtonPost	PBBP	Point	2D
TR_SG_PedSignalHeadDbI	PHD	Point	2D
TR_SG_PedSignalHeadL	PHL	Point	2D
TR_SG_PedSignalHeadR	PHR	Point	2D
TR_SG_PedSignalHeadST	PHS	Point	2D
TR_SG_Pole	PPS	Point	2D
TR_SG_RampMeterSignal	RMSG	Point	2D
TR_SG_RampMeterSignalLT	RMSGGL	Point	2D
TR_SG_RampMeterSignalRT	RMSGGR	Point	2D
TR_SG_SignalBoxUnknown	TSB	Point	2D
TR_SG_SignalHead	SH	Point	2D
TR_SG_SignalHeadHoriz	SHH	Point	2D
TR_SG_SignalLoopUnknown	TSL	Point	2D
TR_SG_SignalPoleUnknown	SGP	Point	2D
TR_SG_SignalStdType1or4	SGPaT	Point	2D
TR_SG_SignalStdType2	SGPbT	Point	2D
TR_SG_SignalStdType3	SGPcT	Point	2D
TR_SG_SignalStdType5	SGPeT	Point	2D
TR_SG_StrnPoleAnchor	SPAS	Point	2D
TR_SG_TimberPole	TBRP	Point	2D
TR_SG_Transformer	TNSF	Point	2D
TR_SG_UtilityCompanyPedestal	UCP	Point	2D
TR_SN_Barricade	BARRC	Line	2D
TR_SN_InterstateShield	ISHLD	Point	2D
TR_SN_MonotubeCantilever	MNCTL	Point	2D
TR_SN_OverheadSign	OVRSGN	Point	2D
TR_SN_Sign	SIGN	Point	2D
TR_SN_SignBBoardMultiPost	BBMP	Point	2D
TR_SN_SignBBoardSnglPost	BBSP	Point	2D
TR_SN_SignDblePost	SGDB	Point	2D
TR_SN_SignFlushWall	SGFLW	Point	2D
TR_SN_SignFourPost	SGNd	Point	2D
TR_SN_SignFromWall	SGNW	Point	2D

Level Name	Field Code	P/L	2D/3D
TR_SN_SignSnglPost	SGSNG	Point	2D
TR_SN_SignTriplePost	SGTR	Point	2D
TR_SN_StateRouteShield	SRSHLD	Point	2D
TR_SN_TrussCantilever	TRCAN	Point	2D
TR_SN_TrussSignBridge	TRSGBG	Point	2D
TR_SN_USRouteShield	USHLD	Point	2D
TR_SN_WashingtonShield	GEO	Point	2D
TR_TS_AdvancedWarningSign	ADVWS	Point	2D
TR_TS_CableVault	CBLV	Point	2D
TR_TS_CCTVCamera	CAM	Point	2D
TR_TS_CCTVControlCabinet	TVCB	Point	2D
TR_TS_CommunicationsHub	CHUB	Point	2D
TR_TS_ConduitandWiringTS	CNDTS	Line	2D
TR_TS_HARControlCabinet	XHARC	Point	2D
TR_TS_HARSign	HARS	Point	2D
TR_TS_HARTransmitter	HARTR	Point	2D
TR_TS_InductionLoopType2Mod	ILTbM	Point	2D
TR_TS_JBox1	JBaTT	Point	2D
TR_TS_JBox2	JBbTT	Point	2D
TR_TS_JBox4(Traffic-bearing)	JBdTT	Point	2D
TR_TS_JBox5(Traffic-bearing)	JBeTT	Point	2D
TR_TS_JBox6(Traffic-bearing)	JBfTT	Point	2D
TR_TS_JBox7(Nolock)	JBgTT	Point	2D
TR_TS_JBox8(Withlock)	JBhTT	Point	2D
TR_TS_JBoxAerial	JBAERT	Point	2D
TR_TS_JBoxNema	JBNMAT	Point	2D
TR_TS_JBoxUnknown	JBT	Point	2D
TR_TS_PullBox	PBOXT	Point	2D
TR_TS_SCDIBox	SCDIBX	Point	2D
TR_TS_SignalType1	SIGaTS	Point	2D
TR_TS_SignalType2	SIGbTS	Point	2D
TR_TS_TerminalCabinet	TTCAB	Point	2D
TR_TS_TransformerCabinet	TRFCB	Point	2D
TR_TS_VMSControlCabinet	VMSCB	Point	2D
TR_TS_VMSOverhead	VMS	Point	2D
TR_TS_VMSShoulder	VMSSH	Point	2D
UT_CM_AbvGndCableTV	OCAB	Line	2D
UT_CM_AbvGndOpticFiberCable	OOFC	Line	2D
UT_CM_AbvGndTelephoneLine	OTEL	Line	2D
UT_CM_SteelTransmissionTower	STT	Point	2D
UT_CM_TelephoneBooth	TBTH	Point	2D
UT_CM_TelephoneBox	TBX	Point	2D
UT_CM_TelephoneManhole	MHT	Point	3D
UT_CM_TelephonePole	TP	Point	2D
UT_CM_TelephoneRiser	TBRSR	Point	2D
UT_CM_UndGndCableBox	UCB	Point	2D
UT_CM_UndGndCableTV	UCAB	Line	2D
UT_CM_UndGndCommunicationVault	VAULTC	Point	2D
UT_CM_UndGndFiberOptic	UOFC	Line	2D
UT_CM_UndGndTelephoneBox	UTB	Point	2D
UT_CM_UndGndTelephoneCable	UTEL	Line	2D
UT_CM_WoodenTransmissionTower	WTT	Point	2D
UT_GS_GasLine	GAS	Line	2D
UT_GS_GasMeterBox	GMB	Point	2D
UT_GS_OilLine	OIL	Line	2D
UT_GS_ValveBoxGas	VG	Point	2D
UT_GU_AboveGroundUtilityLine	OULINE	Line	2D
UT_GU_AboveGroundUtilityPoint	OUPPT	Point	2D
UT_GU_CenterOfStructure	CTRS	Point	2D
UT_GU_DownGuyAnchor	DGA	Point	2D

Level Name	Field Code	P/L	2D/3D
UT_GU_GuyPole	GUYP	Point	2D
UT_GU_GuyWire	GUYL	Line	2D
UT_GU_UnderGroundUtilityLine	UULINE	Line	2D
UT_GU_UtilityBox	UBX	Point	2D
UT_GU_UtilityManhole	MHGU	Point	3D
UT_GU_UtilityPole	UP	Point	2D
UT_GU_UtilityVault	VAULT	Point	3D
UT_GU_Valvebox	VB	Point	2D
UT_GU_Vent	VENT	Point	2D
UT_MT_AbvGndUtilitiesMulti	OU	Line	2D
UT_MT_UndGndUtilitiesMulti	UU	Line	2D
UT_MT_UilitiesMultiTypes1	EXaU	Line	2D
UT_MT_UilitiesMultiTypes2	EXbU	Line	2D
UT_MT_UilitiesMultiTypes3	EXcU	Line	2D
UT_MT_UilitiesMultiTypes4	EXdU	Line	2D
UT_MT_UilitiesMultiTypes5	EXeU	Line	2D
UT_MT_UilitiesMultiTypes6	EXfU	Line	2D
UT_MT_UilitiesMultiTypes7	EXgU	Line	2D
UT_MT_UilitiesMultiTypes8	EXhU	Line	2D
UT_MT_UilitiesMultiTypes9	EXiU	Line	2D
UT_PW_AbvGndHiTensPowerLine	OHTP	Line	2D
UT_PW_AbvGndPower	OPOW	Line	2D
UT_PW_ElectBox	EB	Point	2D
UT_PW_GroundRod	GROD	Point	2D
UT_PW_PowerBox	PBX	Point	2D
UT_PW_PowerManhole	MHPW	Point	3D
UT_PW_PowerMeterBox	PMB	Point	2D
UT_PW_PowerPole	PP	Point	2D
UT_PW_SteelTransmissionTower	STTP	Point	2D
UT_PW_UndGndPowerLine	UPOW	Line	2D
UT_PW_UndGndPowerVault	VAULTPW	Point	2D
UT_PW_WoodenTransmissionTower	WTTP	Point	2D
UT_SS_FlowlinePoint	SSFLP	Point	2D
UT_SS_SanSewerCleanOut	SSCO	Point	3D
UT_SS_SanSewerLine	SEW	Line	2D
UT_SS_SanSewerManhole	MHSS	Point	3D
UT_SS_ValveBoxSanSewer	VBSS	Point	2D
UT_WT_FireHydrant	FH	Point	2D
UT_WT_UndGndTank	UTANK	Point	2D
UT_WT_UndGndWaterVault	VAULTW	Point	2D
UT_WT_ValveBoxWater	VBW	Point	2D
UT_WT_ValveRelease	VRA	Point	2D
UT_WT_WaterLine	WAT	Line	2D
UT_WT_WaterManhole	MHW	Point	3D
UT_WT_WaterMeterBox	WMB	Point	2D