

Data Specification of Traffic Aids Drawing for Government Department (Zipped KML version 2.2) (14 Aug 2019)

Summary of IRNP dTAD Entities

	Entity Group	File name	Entity in ER Diagram	Description	Remarks
1	Cycling Related Feature	DTAD_CYC_PT.kmz	DTAD_CYC_PT	Cycling related point	
2	Miscellaneous Point	DTAD_MISC_PT.kmz	DTAD_MISC_PT	Miscellaneous point about road marking	
3	Road Alignment & Dropkerb & Run-in/out	DTAD_RD_AL_LINE.kmz	DTAD_RD_AL_LINE	Road alignment line	
		DTAD_DROP KERB_LINE.kmz	DTAD_DROP KERB_LINE	DropKerb line	
		DTAD_RUN_IN_OUT_LINE.kmz	DTAD_RUN_IN_OUT_LINE	Run-in/out line	
		DTAD_PED_REFUGE_LINE.kmz	DTAD_PED_REFUGE_LINE	Pedestrian refuge line	
		DTAD_LV21_LINE.kmz	DTAD_LV21_LINE	Undefined lines converted from legacy system (MicroStation design files)	
4	Carriageway Markings, Traffic Signs, Pedestrian Barriers, Railings & Legend	DTAD_TY_BAR_LINE.kmz	DTAD_TY_BAR_LINE	Transverse yellow bar line	
		DTAD_TW_STRIP_LINE.kmz	DTAD_TW_STRIP_LINE	Tactile warning stripe line	
		DTAD_TS_POLE_PT.kmz	DTAD_TS_POLE_PT	Traffic sign pole point	
		DTAD_TS_POLE_LINE.kmz	DTAD_TS_POLE_LINE	Traffic sign pole line (dropped	

				from ustn cells)	
		DTAD_TS_ABV_PT.kmz	DTAD_TS_ABV_PT	Traffic sign abbreviation point	
		DTAD_TS_ABV_ANNO_PT.kmz	DTAD_TS_ABV_ANNO_PT	Traffic sign abbreviation annotation point	
		DTAD_TS_ABV_LINE.kmz	DTAD_TS_ABV_LINE	Traffic sign abbreviation line (dropped from ustn cells)	
		DTAD_TS_PLATE_LINE_01.kmz DTAD_TS_PLATE_LINE_02.kmz DTAD_TS_PLATE_LINE_03.kmz DTAD_TS_PLATE_LINE_04.kmz DTAD_TS_PLATE_LINE_05.kmz DTAD_TS_PLATE_LINE_06.kmz DTAD_TS_PLATE_LINE_07.kmz DTAD_TS_PLATE_LINE_08.kmz DTAD_TS_PLATE_LINE_09.kmz DTAD_TS_PLATE_LINE_10.kmz	DTAD_TS_PLATE_LINE	Traffic sign plate line	Due to filesize problem, it is split into different files, naming convention is DTAD_TS_PLATE_LINE_XX where XX is numeric number starting from 01, 02, 03, etc.
		DTAD_TG_PATH_LINE.kmz	DTAD_TG_PATH_LINE	Tactile guide path line	
		DTAD_YL_BOX_LINE.kmz	DTAD_YL_BOX_LINE	Yellow box line	
		DTAD_YL_BOX_POLY.kmz	DTAD_YL_BOX_POLY	Yellow box polygon	
		DTAD_CROSSING_LINE.kmz	DTAD_CROSSING_LINE	Crossing line	
		DTAD_RD_MARK_LINE.kmz	DTAD_RD_MARK_LINE	Road marking line	

		DTAD_RD_MARK_LINE_C.kmz	DTAD_RD_MARK_LINE_C	Road marking representation line	
		DTAD_RD_MARK_ANNO_PT.kmz	DTAD_RD_MARK_ANNO_PT	Road marking annotation point	
		DTAD_RD_MARK_SYM_PT.kmz	DTAD_RD_MARK_SYM_PT	Road marking symbol representation point	
		DTAD_RD_MARK_SYM_LINE.kmz	DTAD_RD_MARK_SYM_LINE	Road marking representation line	
		DTAD_RAILING_LINE.kmz	DTAD_RAILING_LINE	Railing line	
		DTAD_GIPOLE_PT.kmz	DTAD_GIPOLE_PT	GI pole point	
		DTAD_TS_MISC_LINE.kmz	DTAD_TS_MISC_LINE	Traffic sign miscellaneous line	
		DTAD_TS_FILLED.kmz	DTAD_TS_FILLED	Traffic sign filled polygon	
		DTAD_LV22_LINE.kmz	DTAD_LV22_LINE	Undefined lines converted from legacy system (MicroStation design files)	
		DTAD_LV22_FILLED.kmz	DTAD_LV22_FILLED	Undefined polygon converted from legacy system (MicroStation design files)	
5	Traffic Light	DTAD_TRAFFIC_LIGHT_PT.kmz	DTAD_TRAFFIC_LIGHT_PT	Traffic light point	

	Signal, Traffic Equipment	DTAD_TRAFFIC_LIGHT_LINE.kmz	DTAD_TRAFFIC_LIGHT_LINE	Traffic light line (dropped from ustn cells)	
		DTAD_TRAFFIC_LIGHT_FILLED.kmz	DTAD_TRAFFIC_LIGHT_FILLED	Traffic light filled polygon	
		DTAD_LV23_LINE.kmz	DTAD_LV23_LINE	Undefined lines converted from legacy system (MicroStation design files)	
6	Restriction Zones	DTAD_RST_ZONE_LINE.kmz	DTAD_RST_ZONE_LINE	Restriction zone line	
		DTAD_LV24_LINE.kmz	DTAD_LV24_LINE	Undefined lines converted from legacy system (MicroStation design files)	
7	Chainage Marker	DTAD_CM_POLE_PT.kmz	DTAD_CM_POLE_PT	Chainage marker pole point	
		DTAD_CM_POLE_LINE.kmz	DTAD_CM_POLE_LINE	Chainage marker line (dropped from ustn cells)	
		DTAD_CM_ABV_ANNO_PT.kmz	DTAD_CM_ABV_ANNO_PT	Chainage marker annotation point	
		DTAD_CM_FILLED.kmz	DTAD_CM_FILLED	Chainage marker filled polygon	
		DTAD_LV29_LINE.kmz	DTAD_LV29_LINE	Undefined lines converted from legacy system (MicroStation design files)	
8	Pedestrian	DTAD_PS_POLE_PT.kmz	DTAD_PS_POLE_PT	Pedestrian sign	

	Sign			pole point	
		DTAD_PS_POLE_LINE.kmz	DTAD_PS_POLE_LINE	Pedestrian sign pole line (dropped from ustn cells)	
		DTAD_PS_ANNO_PT.kmz	DTAD_PS_ANNO_PT	Tourist sign anno point	
		DTAD_PS_PLATE_LINE.kmz	DTAD_PS_PLATE_LINE	Pedestrian sign plate line	
		DTAD_PS_MISC_LINE.kmz	DTAD_PS_MISC_LINE	Pedestrian sign miscellaneous line	
		DTAD_PS_FILLED.kmz	DTAD_PS_FILLED	Pedestrian sign filled polygon	
		DTAD_LV30_LINE.kmz	DTAD_LV30_LINE	Undefined lines converted from legacy system (MicroStation design files)	
9	Directional Sign and Gantry Sign	DTAD_DS_POLE_PT.kmz	DTAD_DS_POLE_PT	Directional sign pole point	
		DTAD_DS_POLE_LINE.kmz	DTAD_DS_POLE_LINE	Directional sign pole line (dropped from ustn cells)	
		DTAD_DS_POLE_LINE_C.kmz	DTAD_DS_POLE_LINE_C	Directional sign pole representation line	
		DTAD_DS_PLATE_LINE.kmz	DTAD_DS_PLATE_LINE	Directional sign plate line	
		DTAD_DS_MISC_LINE.kmz	DTAD_DS_MISC_LINE	Directional sign miscellaneous line	

		DTAD_DS_FILLED.kmz	DTAD_DS_FILLED	Directional sign filled polygon	
		DTAD_LV38_LINE.kmz	DTAD_LV38_LINE	Undefined lines converted from legacy system (MicroStation design files)	
10	Unknown Lines	UNKNOWN_LINE.kmz	UNKNOWN_LINE	Undefined lines converted from legacy system (MicroStation design files)	

Data Definition of IRNP dTAD Entities

1. Cycling Related Features

Entity	ITEM NAME	DESCRIPTION	WIDTH	TYPE
DTAD_CYC_PT	Reference Name	Reference Name	20	Text
	Feature ID	Feature ID		Number
	Completion Date	Completion Date		Date/Time
	Gazette Date	Gazette Date		Date/Time
	Last Update Date	Last Update Date		Date/Time
	SHAPE	Spatial geometry		Geometry
	Angle	Angle		Double
	Remarks	Remarks	200	Text
	Relative level	Relative level (e.g. A01, A02)	3	Text

2. Miscellaneous Point

Entity	ITEM NAME	DESCRIPTION	WIDTH	TYPE
DTAD_MISC_PT	Reference Name	Reference Name	20	Text
	Feature ID	Feature ID		Number
	Completion Date	Completion Date		Date/Time
	Gazette Date	Gazette Date		Date/Time
	Last Update Date	Last Update Date		Date/Time
	SHAPE	Spatial geometry		Geometry
	Angle	Angle		Double
	Remarks	Remarks	200	Text
	Relative level	Relative level (e.g. A01, A02)	3	Text

3. Road Alignment & Dropkerb & Run-in/out

Entity	ITEM NAME	DESCRIPTION	WIDTH	TYPE
DTAD_RD_AL_LINE	Reference Name	Reference Name	8	Text
	Feature ID	Feature ID		Number
	Completion Date	Completion Date		Date/Time
	Last Update Date	Last Update Date		Date/Time
	SHAPE	Spatial geometry		Geometry
	SHAPE_Length	Feature length		Double
	Drop Kerb Type	Drop Kerb Type	16	Text
DTAD_DROP KERB_LINE	Relative level	Relative level (e.g. A01, A02)	3	Text
	Reference Name	Reference Name	8	Text
	Feature ID	Feature ID		Number
	Completion Date	Completion Date		Date/Time
	Last Update Date	Last Update Date		Date/Time
	SHAPE	Spatial geometry		Geometry
	SHAPE_Length	Feature length		Double
DTAD_RUN_IN_OUT_LINE	Drop Kerb Type	Drop Kerb Type e.g. 'A pair of drop kerb', 'Drop kerb left', 'Drop kerb right'	20	Text
	Relative level	Relative level (e.g. A01, A02)	3	Text
	Reference Name	Reference Name	8	Text
DTAD_PED_REFUGE_LINE	Feature ID	Feature ID		Number
	Gazette Date	Gazette Date		Date/Time
	Last Update Date	Last Update Date		Date/Time
	SHAPE	Spatial geometry		Geometry
	SHAPE_Length	Feature length		Double
	Run-In or Run-Out	Run-In or Run-Out	8	Text
	Relative level	Relative level (e.g. A01, A02)	3	Text
DTAD_PED_REFUGE_LINE	Reference Name	Reference Name	8	Text
	Feature ID	Feature ID		Number
	Completion Date	Completion Date		Date/Time
	Gazette Date	Gazette Date		Date/Time
	Last Update Date	Last Update Date		Date/Time

	SHAPE	Spatial geometry		Geometry
	SHAPE_Length	Feature length		Double
	Designed Width	Designed Width		Double
	Designed Height	Designed Height		Double
	Actual Width	Actual Width		Double
	Actual Height	Actual Height		Double
	Measurement Date	Measurement Date		Date/Time
	Relative level	Relative level (e.g. A01, A02)	3	Text
DTAD_LV21_LINE	Feature ID	Feature ID		Number
	Last Update Date	Last Update Date		Date/Time
	SHAPE	Spatial geometry		Geometry
	SHAPE_Length	Feature length		Double
	Line Type	Line Type	16	Text
	Relative level	Relative level (e.g. A01, A02)	3	Text

4. Carriageway Markings, Traffic Signs, Pedestrian Barriers, Railings & Legend

Entity	ITEM NAME	DESCRIPTION	WIDTH	TYPE
DTAD_TY_BAR_LINE	Reference Name	Reference Name	8	Text
	Feature ID	Feature ID		Number
	Completion Date	Completion Date		Date/Time
	Gazette Date	Gazette Date		Date/Time
	Last Update Date	Last Update Date		Date/Time
	SHAPE	Spatial geometry		Geometry
	SHAPE_Length	Feature length		Double
	Relative level	Relative level (e.g. A01, A02)	3	Text
DTAD_TW_STRIP_LINE	Reference Name	Reference Name	8	Text
	Feature ID	Feature ID		Number
	Completion Date	Completion Date		Date/Time
	Gazette Date	Gazette Date		Date/Time
	Last Update Date	Last Update Date		Date/Time
	SHAPE	Spatial geometry		Geometry
	SHAPE_Length	Feature length		Double
	Relative level	Relative level (e.g. A01, A02)	3	Text
DTAD_TS_POLE_PT	Reference Name	Reference Name	8	Text
	Graphical group Name	Graphical group Name	20	Text
	Type	Type	1	Text
	Pole ID	Pole ID	16	Text
	Feature ID	Feature ID		Number
	Completion Date	Completion Date		Date/Time
	Gazette Date	Gazette Date		Date/Time
	Last Update Date	Last Update Date		Date/Time
	SHAPE	Spatial geometry		Geometry
	Angle	Angle		Double
	Relative level	Relative level (e.g. A01, A02)	3	Text
	Reference Name	Reference Name	8	Text
DTAD_TS_POLE_LINE	Graphical group Name	Graphical group Name	20	Text

	Type	Type	1	Text
	Pole ID	Pole ID	20	Text
	Feature ID	Feature ID		Number
	Completion Date	Completion Date		Date/Time
	Gazette Date	Gazette Date		Date/Time
	Last Update Date	Last Update Date		Date/Time
	SHAPE	Spatial geometry		Geometry
	SHAPE_Length	Feature length		Double
	Relative level	Relative level (e.g. A01, A02)	3	Text
DTAD_TS_ABV_PT	Reference Name	Reference Name	8	Text
	Graphical group Name	Graphical group Name	20	Text
	Feature ID	Feature ID		Number
	Completion Date	Completion Date		Date/Time
	Gazette Date	Gazette Date		Date/Time
	Last Update Date	Last Update Date		Date/Time
	SHAPE	Spatial geometry		Geometry
	Sign ID	Sign Id	32	Text
	Angle	Angle		Double
	Relative level	Relative level (e.g. A01, A02)	3	Text
DTAD_TS_ABV_ANNO_PT	TextString	The text string for the feature	255	Text
	Graphical group Name	Graphical group Name	20	Text
	Feature ID	Feature ID		Number
	Completion Date	Completion Date		Date/Time
	Gazette Date	Gazette Date		Date/Time
	Last Update Date	Last Update Date		Date/Time
	Relative level	Relative level (e.g. A01, A02)	3	Text
	Sign ID	Sign Id	32	Text
	SHAPE	Spatial geometry		Geometry
DTAD_TS_ABV_LINE	Reference Name	Reference Name	8	Text
	Graphical group Name	Graphical group Name	20	Text
	Feature ID	Feature ID		Number
	Completion Date	Completion Date		Date/Time
	Gazette Date	Gazette Date		Date/Time

	Last Update Date	Last Update Date		Date/Time
	SHAPE	Spatial geometry		Geometry
	SHAPE_Length	Feature length		Double
	Sign ID	Sign Id	32	Text
	Relative level	Relative level (e.g. A01, A02)	3	Text
DTAD_TS_PLATE_LINE	OBJECTID	Object ID		ObjectID
	Reference Name	Reference Name	8	Text
	Graphical group Name	Graphical group Name	20	Text
	Feature ID	Feature ID		Number
	Completion Date	Completion Date		Date/Time
	Gazette Date	Gazette Date		Date/Time
	Last Update Date	Last Update Date		Date/Time
	SHAPE_Length	Feature length		Double
	Sign ID	Sign Id	32	Text
	Relative level	Relative level (e.g. A01, A02)	3	Text
	_modulo_count	Modulo count to split KMZ into multipart		Number
DTAD_TG_PATH_LINE	Feature ID	Feature ID		Number
	Completion Date	Completion Date		Date/Time
	Gazette Date	Gazette Date		Date/Time
	Last Update Date	Last Update Date		Date/Time
	position_1	Start position in first layer		Double
	position_2	Start position in second layer		Double
	symbol_size_1	Symbol size of marker symbol in first layer		Double
	symbol_size_2	Symbol size of marker symbol in second layer		Double
	symbol_step_1	Symbol step of marker symbol in first layer	100	Text
	symbol_step_2	Symbol step of marker symbol in second layer	100	Text
	line_pattern_1	Line pattern of dashes in first layer	100	Text
	line_pattern_2	Line pattern of dashes in second layer	100	Text
	line_width_1	Line width of line pattern in first layer		Double
	line_width_2	Line width of line pattern in second layer		Double
	line_offset_1	Line offset in first layer		Double
	line_offset_2	Line offset in second layer		Double
	SHAPE	Spatial geometry		Geometry

	SHAPE_Length	Feature length		Double
	Relative level	Relative level (e.g. A01, A02)	3	Text
DTAD_YL_BOX_LINE	Feature ID	Feature ID		Number
	Completion Date	Completion Date		Date/Time
	Gazette Date	Gazette Date		Date/Time
	Last Update Date	Last Update Date		Date/Time
	SHAPE	Spatial geometry		Geometry
	SHAPE_Length	Feature length		Double
	Relative level	Relative level (e.g. A01, A02)	3	Text
DTAD_YL_BOX_POLY	Feature ID	Feature ID		Number
	Completion Date	Completion Date		Date/Time
	Gazette Date	Gazette Date		Date/Time
	Last Update Date	Last Update Date		Date/Time
	angle1	Angle1 of the hatch pattern		Double
	angle2	Angle2 of the hatch pattern		Double
	SHAPE	Spatial geometry		Geometry
	SHAPE_Length	Feature length		Double
	SHAPE_Area	Feature area		Double
	Relative level	Relative level (e.g. A01, A02)	3	Text
	YELLOWBOX_TYPE	Yellow Box Type (Yellow Box (Railway) / Yellow Box)	50	Text
DTAD_CROSSING_LINE	Feature ID	Feature ID		Number
	Completion Date	Completion Date		Date/Time
	Gazette Date	Gazette Date		Date/Time
	Last Update Date	Last Update Date		Date/Time
	SHAPE	Spatial geometry		Geometry
	SHAPE_Length	Feature length		Double
	Line Type	Line Type	16	Text
	Relative level	Relative level (e.g. A01, A02)	3	Text
DTAD_RD_MARK_LINE	Feature ID	Feature ID		Number
	Completion Date	Completion Date		Date/Time
	Gazette Date	Gazette Date		Date/Time
	Last Update Date	Last Update Date		Date/Time

	SHAPE	Spatial geometry		Geometry
	SHAPE_Length	Feature length		Double
	Line Type	Line Type	16	Text
	Relative level	Relative level (e.g. A01, A02)	3	Text
DTAD_RD_MARK_LINE_C	Feature ID	Feature ID		Number
	Completion Date	Completion Date		Date/Time
	Gazette Date	Gazette Date		Date/Time
	Last Update Date	Last Update Date		Date/Time
	Line Type	Line Type	16	Text
	position_1	Start position in first layer		Double
	position_2	Start position in second layer		Double
	position_3	Start position in third layer		Double
	symbol_size_1	Symbol size of marker symbol in first layer		Double
	symbol_size_2	Symbol size of marker symbol in second layer		Double
	symbol_size_3	Symbol size of marker symbol in third layer		Double
	symbol_step_1	Symbol step of marker symbol in first layer	100	Text
	symbol_step_2	Symbol step of marker symbol in second layer	100	Text
	symbol_step_3	Symbol step of marker symbol in third layer	100	Text
	line_pattern_1	Line pattern of dashes in first layer	100	Text
	line_pattern_2	Line pattern of dashes in second layer	100	Text
	line_pattern_3	Line pattern of dashes in third layer	100	Text
	line_width_1	Line width of line pattern in first layer		Double
	line_width_2	Line width of line pattern in second layer		Double
	line_width_3	Line width of line pattern in third layer		Double
	line_offset_1	Line offset in first layer		Double
	line_offset_2	Line offset in second layer		Double
	line_offset_3	Line offset in third layer		Double
	SHAPE	Spatial geometry		Geometry
	SHAPE_Length	Feature length		Double
	Relative level	Relative level (e.g. A01, A02)	3	Text
DTAD_RD_MARK_ANNO_PT	TextString	The text string for the feature	255	Text
	SHAPE	Spatial geometry		Geometry
	FeatureID	Feature ID		Number

	Completion Date	Completion Date		Date/Time
	Gazette Date	Gazette Date		Date/Time
	Last Update Date	Last Update Date		Date/Time
	Relative level	Relative level (e.g. A01, A02)	3	Text
DTAD_RD_MARK_SYM_PT	Reference Name	Reference Name	8	Text
	Feature ID	Feature ID		Number
	Completion Date	Completion Date		Date/Time
	Gazette Date	Gazette Date		Date/Time
	Last Update Date	Last Update Date		Date/Time
	SHAPE	Spatial geometry		Geometry
	Angle	Angle (For carto-rep feature, same as Ustn angle)		Double
	Relative level	Relative level (e.g. A01, A02)	3	Text
	symbol_size	Symbol Size		Double
DTAD_RD_MARK_SYM_LINE	Reference Name	Reference Name	8	Text
	Feature ID	Feature ID		Number
	Completion Date	Completion Date		Date/Time
	Gazette Date	Gazette Date		Date/Time
	Last Update Date	Last Update Date		Date/Time
	SHAPE	Spatial geometry		Geometry
	SHAPE_Length	Feature length		Double
	Relative level	Relative level (e.g. A01, A02)	3	Text
DTAD_RAILING_LINE	Feature ID	Feature ID		Number
	Completion Date	Completion Date		Date/Time
	Gazette Date	Gazette Date		Date/Time
	Last Update Date	Last Update Date		Date/Time
	Line Type	Line Type	16	Text
	position_1	Start position in first layer		Double
	position_2	Start position in second layer		Double
	position_3	Start position in third layer		Double
	position_4	Start position in fourth layer		Double
	position_5	Start position in fifth layer		Double
	symbol_size_1	Symbol size of marker symbol in first layer		Double
	symbol_size_2	Symbol size of marker symbol in second layer		Double

	symbol_size_3	Symbol size of marker symbol in third layer		Double
	symbol_size_4	Symbol size of marker symbol in fourth layer		Double
	symbol_size_5	Symbol size of marker symbol in fifth layer		Double
	symbol_step_1	Symbol step of marker symbol in first layer	100	Text
	symbol_step_2	Symbol step of marker symbol in second layer	100	Text
	symbol_step_3	Symbol step of marker symbol in third layer	100	Text
	symbol_step_4	Symbol step of marker symbol in fourth layer	100	Text
	symbol_step_5	Symbol step of marker symbol in fifth layer	100	Text
	line_pattern_1	Line pattern of dashes in first layer	100	Text
	line_pattern_2	Line pattern of dashes in second layer	100	Text
	line_pattern_3	Line pattern of dashes in third layer	100	Text
	line_pattern_4	Line pattern of dashes in fourth layer	100	Text
	line_pattern_5	Line pattern of dashes in fifth layer	100	Text
	line_width_1	Line width of line pattern in first layer		Double
	line_width_2	Line width of line pattern in second layer		Double
	line_width_3	Line width of line pattern in third layer		Double
	line_width_4	Line width of line pattern in fourth layer		Double
	line_width_5	Line width of line pattern in fifth layer		Double
	line_offset_1	Line offset in first layer		Double
	line_offset_2	Line offset in second layer		Double
	line_offset_3	Line offset in third layer		Double
	line_offset_4	Line offset in fourth layer		Double
	line_offset_5	Line offset in fifth layer		Double
	SHAPE	Spatial geometry		Geometry
	SHAPE_Length	Feature length		Double
	Relative level	Relative level (e.g. A01, A02)	3	Text
DTAD_GIPOLE_PT	Reference Name	Reference Name	8	Text
	Graphical group Name	Graphical group Name	20	Text
	Feature ID	Feature ID		Number
	Completion Date	Completion Date		Date/Time
	Gazette Date	Gazette Date		Date/Time
	Last Update Date	Last Update Date		Date/Time
	SHAPE	Spatial geometry		Geometry

	Angle	Angle		Double
	Relative level	Relative level (e.g. A01, A02)	3	Text
DTAD_TS_MISC_LINE	Last Update Date	Last Update Date		Date/Time
	Feature ID	Feature ID		Number
	SHAPE	Spatial geometry		Geometry
	SHAPE_Length	Feature length		Double
	Line Type	Line Type	16	Text
	Relative level	Relative level (e.g. A01, A02)	3	Text
DTAD_LV22_LINE	Feature ID	Feature ID		Number
	Last Update Date	Last Update Date		Date/Time
	SHAPE	Spatial geometry		Geometry
	SHAPE_Length	Feature length		Double
	Line Type	Line Type	16	Text
	Relative level	Relative level (e.g. A01, A02)	3	Text
DTAD_TS_FILLED	Feature ID	Feature ID		Number
	Reference Name	Reference Name	8	Text
	Last Update Date	Last Update Date		Date/Time
	SHAPE	Spatial geometry		Geometry
	SHAPE_Length	Feature length		Double
	SHAPE_Area	Feature area		Double
	Relative level	Relative level (e.g. A01, A02)	3	Text
DTAD_LV22_FILLED	Feature ID	Feature ID		Number
	Reference Name	Reference Name	8	Text
	Last Update Date	Last Update Date		Date/Time
	SHAPE	Spatial geometry		Geometry
	SHAPE_Length	Feature length		Double
	SHAPE_Area	Feature area		Double
	Relative level	Relative level (e.g. A01, A02)	3	Text

5. Traffic Light Signal, Traffic Equipment

Entity	ITEM NAME	DESCRIPTION	WIDTH	TYPE
DTAD_TRAFFIC_LIGHT_PT	Reference Name	Reference Name	8	Text
	Feature ID	Feature ID		Number
	Completion Date	Completion Date		Date/Time
	Gazette Date	Gazette Date		Date/Time
	Last Update Date	Last Update Date		Date/Time
	SHAPE	Spatial geometry		Geometry
	Angle	Angle		Double
	Relative level	Relative level (e.g. A01, A02)	3	Text
	Reference Name	Reference Name	8	Text
DTAD_TRAFFIC_LIGHT_LINE	Feature ID	Feature ID		Number
	Completion Date	Completion Date		Date/Time
	Gazette Date	Gazette Date		Date/Time
	Last Update Date	Last Update Date		Date/Time
	SHAPE	Spatial geometry		Geometry
	SHAPE_Length	Feature length		Double
	Relative level	Relative level (e.g. A01, A02)	3	Text
	Sign ID	Sign Id	32	Text
	Feature ID	Feature ID		Number
DTAD_LV23_LINE	Last Update Date	Last Update Date		Date/Time
	SHAPE	Spatial geometry		Geometry
	SHAPE_Length	Feature length		Double
	Line Type	Line Type	16	Text
	Relative level	Relative level (e.g. A01, A02)	3	Text
DTAD_TRAFFIC_LIGHT_FILLED	Feature ID	Feature ID		Number
	Reference Name	Reference Name	8	Text
	Last Update Date	Last Update Date		Date/Time
	SHAPE	Spatial geometry		Geometry
	SHAPE_Length	Feature length		Double
	SHAPE_Area	Feature area		Double
	Relative level	Relative level (e.g. A01, A02)	3	Text

6. Restriction Zones

Entity	ITEM NAME	DESCRIPTION	WIDTH	TYPE
DTAD_ RST_ZONE_LINE	Feature ID	Feature ID		Number
	Completion Date	Completion Date		Date/Time
	Gazette Date	Gazette Date		Date/Time
	Last Update Date	Last Update Date		Date/Time
	SHAPE	Spatial geometry		Geometry
	SHAPE_Length	Feature length		Double
	Line Type	Line Type	16	Text
	Relative level	Relative level (e.g. A01, A02)	3	Text
	Time Zone of the Restriction	Time Zone of the Restriction		
DTAD_LV24_LINE	Feature ID	Feature ID		Number
	Last Update Date	Last Update Date		Date/Time
	SHAPE	Spatial geometry		Geometry
	SHAPE_Length	Feature length		Double
	Line Type	Line Type	16	Text
	Relative level	Relative level (e.g. A01, A02)	3	Text

7. Chainage Marker

Entity	ITEM NAME	DESCRIPTION	WIDTH	TYPE
DTAD_CM_POLE_PT	Reference Name	Reference Name	8	Text
	Graphical group Name	Graphical Group Name	20	Text
	Feature ID	Feature ID		Number
	Completion Date	Completion Date		Date/Time
	Gazette Date	Gazette Date		Date/Time
	Last Update Date	Last Update Date		Date/Time
	SHAPE	Spatial geometry		Geometry
	Angle	Angle		Double
	Relative level	Relative level (e.g. A01, A02)	3	Text
DTAD_CM_POLE_LINE	Reference Name	Reference Name	8	Text
	Graphical group Name	Graphical Group Name	20	Text
	Feature ID	Feature ID		Number
	Completion Date	Completion Date		Date/Time
	Gazette Date	Gazette Date		Date/Time
	Last Update Date	Last Update Date		Date/Time
	SHAPE	Spatial geometry		Geometry
	SHAPE_Length	Feature length		Double
	Relative level	Relative level (e.g. A01, A02)	3	Text
DTAD_CM_ABV_ANNO_PT	Sign ID	Sign Id	32	Text
	TextString	The text string for the feature	255	Text
	SHAPE	Spatial geometry		Geometry
	Graphical group Name	Graphical Group Name	20	Text
	Abbreviation Revision	Abbreviation Revision	3	Text
	Expired	Expired	1	Text
	Bound	Bound	1	Text
	Distance	Distance		Double
	RouteNo	Route Number		Number
	FeatureID	Feature ID		Number
	Completion Date	Completion Date		Date/Time
	Gazette Date	Gazette Date		Date/Time

	Last Update Date	Last Update Date		Date/Time
	Relative level	Relative level (e.g. A01, A02)	3	Text
DTAD_CM_FILLED	Feature ID	Feature ID		Number
	Reference Name	Reference Name	8	Text
	Last Update Date	Last Update Date		Date/Time
	SHAPE	Spatial geometry		Geometry
	SHAPE_Length	Feature length		Double
	SHAPE_Area	Feature area		Double
	Relative level	Relative level (e.g. A01, A02)	3	Text
DTAD_LV29_LINE	Feature ID	Feature ID		Number
	Last Update Date	Last Update Date		Date/Time
	SHAPE	Spatial geometry		Geometry
	SHAPE_Length	Feature length		Double
	Line Type	Line Type	16	Text
	Relative level	Relative level (e.g. A01, A02)	3	Text

8. Pedestrian Sign

Entity	ITEM NAME	DESCRIPTION	WIDTH	TYPE
DTAD_PS_POLE_PT	Reference Name	Reference Name	8	Text
	Graphical group Name	Graphical Group Name	20	Text
	Feature ID	Feature ID		Number
	Completion Date	Completion Date		Date/Time
	Gazette Date	Gazette Date		Date/Time
	Last Update Date	Last Update Date		Date/Time
	SHAPE	Spatial geometry		Geometry
	Angle	Angle		Double
	Relative level	Relative level (e.g. A01, A02)	3	Text
DTAD_PS_POLE_LINE	Reference Name	Reference Name	8	Text
	Graphical group Name	Graphical Group Name	20	Text
	Feature ID	Feature ID		Number
	Completion Date	Completion Date		Date/Time
	Gazette Date	Gazette Date		Date/Time
	Last Update Date	Last Update Date		Date/Time
	SHAPE	Spatial geometry		Geometry
	SHAPE_Length	Feature length		Double
	Relative level	Relative level (e.g. A01, A02)	3	Text
DTAD_PS_ANNO_PT	Sign ID	Sign Id	32	Text
	TextString	The text string for the feature	255	Text
	Graphical group Name	Graphical Group Name	20	Text
	FeatureID	Feature ID		Number
	Completion Date	Completion Date		Date/Time
	Gazette Date	Gazette Date		Date/Time
	Last Update Date	Last Update Date		Date/Time
	Relative level	Relative level (e.g. A01, A02)	3	Text
	SHAPE	Spatial geometry		Geometry
DTAD_PS_PLATE_LINE	Reference Name	Reference Name	8	Text
	Graphical group Name	Graphical group Name	20	Text
	Feature ID	Feature ID		Number

	Completion Date	Completion Date		Date/Time
	Gazette Date	Gazette Date		Date/Time
	Last Update Date	Last Update Date		Date/Time
	SHAPE	Spatial geometry		Geometry
	SHAPE_Length	Feature length		Double
	Sign ID	Sign Id	32	Text
	Relative level	Relative level (e.g. A01, A02)	3	Text
DTAD_PS_MISC_LINE	Last Update Date	Last Update Date		Date/Time
	Feature ID	Feature ID		Number
	SHAPE	Spatial geometry		Geometry
	SHAPE_Length	Feature length		Double
	Line Type	Line Type	16	Text
	Relative level	Relative level (e.g. A01, A02)	3	Text
DTAD_LV30_LINE	Feature ID	Feature ID		Number
	Last Update Date	Last Update Date		Date/Time
	SHAPE	Spatial geometry		Geometry
	SHAPE_Length	Feature length		Double
	Line Type	Line Type	16	Text
	Relative level	Relative level (e.g. A01, A02)	3	Text
DTAD_PS_FILLED	Feature ID	Feature ID		Number
	Reference Name	Reference Name	8	Text
	Last Update Date	Last Update Date		Date/Time
	SHAPE	Spatial geometry		Geometry
	SHAPE_Length	Feature length		Double
	SHAPE_Area	Feature area		Double
	Relative level	Relative level (e.g. A01, A02)	3	Text

9. Directional Sign and Gantry Sign

Entity	ITEM NAME	DESCRIPTION	WIDTH	TYPE
DTAD_DS_POLE_PT	Reference Name	Reference Name	8	Text
	Graphical group Name	Graphical Group Name	20	Text
	Feature ID	Feature ID		Number
	Completion Date	Completion Date		Date/Time
	Gazette Date	Gazette Date		Date/Time
	Last Update Date	Last Update Date		Date/Time
	SHAPE	Spatial geometry		Geometry
	Angle	Angle		Double
	Relative level	Relative level (e.g. A01, A02)	3	Text
DTAD_DS_POLE_LINE	Reference Name	Reference Name	8	Text
	Graphical group Name	Graphical Group Name	20	Text
	Sign ID	Sign ID	32	Text
	Feature ID	Feature ID		Number
	Completion Date	Completion Date		Date/Time
	Gazette Date	Gazette Date		Date/Time
	Last Update Date	Last Update Date		Date/Time
	SHAPE	Spatial geometry		Geometry
	SHAPE_Length	Feature length		Double
DTAD_DS_POLE_LINE_C	Relative level	Relative level (e.g. A01, A02)	3	Text
	Reference Name	Reference Name	8	Text
	Graphical group Name	Graphical Group Name	20	Text
	Sign ID	Sign ID	32	Text
	Feature ID	Feature ID		Number
	Completion Date	Completion Date		Date/Time
	Gazette Date	Gazette Date		Date/Time
	Last Update Date	Last Update Date		Date/Time
	SHAPE	Spatial geometry		Geometry
DTAD_DS_PLATE_LINE	SHAPE_Length	Feature length		Double
	Relative level	Relative level (e.g. A01, A02)	3	Text
	Reference Name	Reference Name	8	Text
	Graphical group Name	Graphical Group Name	20	Text
	Sign ID	Sign ID	32	Text
	Feature ID	Feature ID		Number
	Completion Date	Completion Date		Date/Time
	Gazette Date	Gazette Date		Date/Time
	Last Update Date	Last Update Date		Date/Time

	Graphical group Name	Graphical group Name	20	Text
	Feature ID	Feature ID		Number
	Completion Date	Completion Date		Date/Time
	Gazette Date	Gazette Date		Date/Time
	Last Update Date	Last Update Date		Date/Time
	SHAPE	Spatial geometry		Geometry
	SHAPE_Length	Feature length		Double
	Sign ID	Sign Id	32	Text
	Relative level	Relative level (e.g. A01, A02)	3	Text
DTAD_DS_MISC_LINE	Last Update Date	Last Update Date		Date/Time
	Feature ID	Feature ID		Number
	SHAPE	Spatial geometry		Geometry
	SHAPE_Length	Feature length		Double
	Line Type	Line Type	16	Text
	Relative level	Relative level (e.g. A01, A02)	3	Text
DTAD_LV38_LINE	Feature ID	Feature ID		Number
	Last Update Date	Last Update Date		Date/Time
	SHAPE	Spatial geometry		Geometry
	SHAPE_Length	Feature length		Double
	Line Type	Line Type	16	Text
	Relative level	Relative level (e.g. A01, A02)	3	Text
DTAD_DS_FILLED	Feature ID	Feature ID		Number
	Reference Name	Reference Name	8	Text
	Last Update Date	Last Update Date		Date/Time
	SHAPE	Spatial geometry		Geometry
	SHAPE_Length	Feature length		Double
	SHAPE_Area	Feature area		Double
	Relative level	Relative level (e.g. A01, A02)	3	Text

10. Unknown Lines

Entity	ITEM NAME	DESCRIPTION	WIDTH	TYPE
UNKNOWN_LINE	SHAPE	Spatial geometry		Geometry
	Last Update Date	Last Update Date		Date/Time
	Line Type	Line Type	16	Text
	Relative level	Relative level (e.g. A01, A02)	3	Text
	FEATUREID	Feature ID		Number
	SHAPE_Length	Feature length		Double

Entity Relationship Diagram

Cycling Related Features

DTAD_CYC_PT
Reference Name
Feature ID<PK>
Completion Date
Gazette Date
Last Update Date
SHAPE
Angle
Remarks
Relative level

Miscellaneous Point

DTAD_MISC_PT
Reference Name
Feature ID<PK>
Completion Date
Gazette Date
Last Update Date
SHAPE
Angle
Remarks
Relative level

Road Alignment & Dropkerb & Run-in/out

DTAD_RD_AL_LINE
Reference Name
Feature ID<PK>
Completion Date
Gazette Date
Last Update Date
SHAPE
SHAPE_Length
Drop Kerb Type
Relative level

DTAD_RUN_IN_OUT_LINE
Reference Name
Feature ID<PK>
Gazette Date
Last Update Date
SHAPE
SHAPE_Length
Run-In or Run-Out
Relative level

DTAD_DROP KERB_LINE
Reference Name
Feature ID<PK>
Completion Date
Gazette Date
Last Update Date
SHAPE
SHAPE_Length
Drop Kerb Type
Relative level

DTAD_PED_REFUGE_LINE
Reference Name
Feature ID<PK>
Completion Date
Gazette Date
Last Update Date
SHAPE
SHAPE_Length
Designed Width
Designed Height
Actual Width
Actual Height
Measurement Date
Relative level

DTAD_LV21_LINE
FEATUREID<PK>
Last Update Date
SHAPE
SHAPE_Length
Line Type
Relative level

Carriageway Markings, Traffic Signs, Pedestrian Barriers, Railings & Legend (Part1)

DTAD_TY_BAR_LINE
Reference Name Feature ID<PK> Completion Date Gazette Date Last Update Date SHAPE SHAPE_Length Relative level

DTAD_TW_STRIP_LINE
Reference Name Feature ID<PK> Completion Date Gazette Date Last Update Date SHAPE SHAPE_Length Relative level

DTAD_TS_POLE_PT
Reference Name Graphical group Name<FK> Type Pole ID Feature ID<PK> Completion Date Gazette Date Last Update Date SHAPE Angle Relative level

DTAD_TS_POLE_LINE
Reference Name Graphical group Name<FK> Type Pole ID Feature ID<PK> Completion Date Gazette Date Last Update Date SHAPE SHAPE_Length Relative level

DTAD_TS_ABV_PT
Reference Name Graphical group Name<FK> Feature ID<PK> Completion Date Gazette Date Last Update Date SHAPE Sign ID Angle Relative level

DTAD_TS_ABV_LINE
Reference Name Graphical group Name<FK> Feature ID<PK> Completion Date Gazette Date Last Update Date SHAPE SHAPE_Length Sign ID Relative level

DTAD_TG_PATH_LINE
Feature ID<PK> Completion Date Gazette Date Last Update Date position_1 position_2 symbol_size_1 symbol_size_2 symbol_step_1 symbol_step_2 line_pattern_1 line_pattern_2 line_width_1 line_width_2 line_offset_1 line_offset_2 SHAPE SHAPE_Length Relative level

DTAD_YL_BOX_LINE
Feature ID<PK> Completion Date Gazette Date Last Update Date SHAPE SHAPE_Length Relative level

DTAD_YL_BOX_POLY
Feature ID<PK> Completion Date Gazette Date Last Update Date angle1 angle2 SHAPE SHAPE_Length SHAPE_Area Relative level YELLOWBOX_TYPE

DTAD_CROSSING_LINE
Feature ID<PK> Completion Date Gazette Date Last Update Date SHAPE SHAPE_Length Line Type Relative level

DTAD_TS_PLATE_LINE
OBJECTID Reference Name Graphical group Name<FK> Feature ID<PK> Completion Date Gazette Date Last Update Date SHAPE_Length Sign ID Relative level _modulo_count

DTAD_TS_ABV_ANNO_PT
TextString Graphical group Name<FK> Feature ID<PK> Completion Date Gazette Date Last Update Date SHAPE Sign ID Relative level

Carriageway Markings, Traffic Signs, Pedestrian Barriers, Railings & Legend (Part2)

DTAD_RD_MARK_LINE

Feature ID<PK>
Completion Date
Gazette Date
Last Update Date
SHAPE
SHAPE_Length
Line Type
Relative level

DTAD_LV22_LINE

Last Update Date
SHAPE
SHAPE_Length
Line Type
Relative level

DTAD_RD_MARK_LINE_C

Feature ID<PK>
Completion Date
Gazette Date
Last Update Date
Line Type
position_1
position_2
position_3
symbol_size_1
symbol_size_2
symbol_size_3
symbol_step_1
symbol_step_2
symbol_step_3
line_pattern_1
line_pattern_2
line_pattern_3
line_width_1
line_width_2
line_width_3
line_offset_1
line_offset_2
line_offset_3
SHAPE
SHAPE_Length
Relative level

DTAD_RD_MARK_ANNO_PT

TextString
FeatureID<PK>
Completion Date
Gazette Date
Last Update Date
SHAPE
Relative level

DTAD_RD_MARK_SYM_PT

Reference Name
Feature ID<PK>
Completion Date
Gazette Date
Last Update Date
SHAPE
Angle
Relative level
Symbol_size

DTAD_GIPOLE_PT

Reference Name
Graphical group Name
Feature ID<PK>
Completion Date
Gazette Date
Last Update Date
SHAPE
Angle
Relative level

DTAD_TS_FILLED

Reference Name
Last Update Date
SHAPE
SHAPE_Length
SHAPE_Area
Relative level

DTAD_RD_MARK_SYM_LINE

Reference Name
Feature ID<PK>
Completion Date
Gazette Date
Last Update Date
SHAPE
SHAPE_Length
Relative level

DTAD_TS_MISC_LINE

Last Update Date
Feature ID<PK>
SHAPE
SHAPE_Length
Line Type
Relative level

DTAD_LV22_FILLED

Reference Name
Last Update Date
SHAPE
SHAPE_Length
SHAPE_Area
Relative level

DTAD_RAILING_LINE

Feature ID<PK>
Completion Date
Gazette Date
Last Update Date
Line Type
position_1
position_2
position_3
position_4
position_5
symbol_size_1
symbol_size_2
symbol_size_3
symbol_size_4
symbol_size_5
symbol_step_1
symbol_step_2
symbol_step_3
symbol_step_4
symbol_step_5
line_pattern_1
line_pattern_2
line_pattern_3
line_pattern_4
line_pattern_5
line_width_1
line_width_2
line_width_3
line_width_4
line_width_5
line_offset_1
line_offset_2
line_offset_3
line_offset_4
line_offset_5
SHAPE
SHAPE_Length
Relative level

Traffic Light Signal, Traffic Equipment

DTAD_TRAFFIC_LIGHT_PT

Reference Name
Feature ID<PK>
Completion Date
Gazette Date
Last Update Date
SHAPE
Angle
Relative level

DTAD_TRAFFIC_LIGHT_LINE

Reference Name
Feature ID<PK>
Completion Date
Gazette Date
Last Update Date
SHAPE
SHAPE_Length
Relative level
Sign ID

DTAD_TRAFFIC_LIGHT_FILLED

Reference Name
Feature ID<PK>
Last Update Date
SHAPE
SHAPE_Length
SHAPE_Area
Relative level

DTAD_LV23_LINE

Feature ID<PK>
Last Update Date
SHAPE
SHAPE_Length
Line Type
Relative level

Restriction Zones

DTAD_RST_ZONE_LINE

Feature ID<PK>
Completion Date
Gazette Date
Last Update Date
SHAPE
SHAPE_Length
Line Type
Relative level
Time Zone of the Restriction

DTAD_LV24_LINE

Feature ID<PK>
Last Update Date
SHAPE
SHAPE_Length
Line Type
Relative level

Chainage Marker

DTAD_CM_POLE_PT

Reference Name
Graphical group Name<FK>
Feature ID<PK>
Completion Date
Gazette Date
Last Update Date
SHAPE
Angle
Relative level

DTAD_CM_POLE_LINE

Reference Name
Graphical group Name<FK>
Feature ID<PK>
Completion Date
Gazette Date
Last Update Date
SHAPE
SHAPE_Length
Relative level
Sign ID

DTAD_CM_ABV_ANNO_PT

Graphical group Name<FK>
TextString
Abbreviation
Revision
Expired
Bound
Distance
RouteNo
FeatureID<PK>
Completion Date
Gazette Date
Last Update Date
SHAPE
Relative level

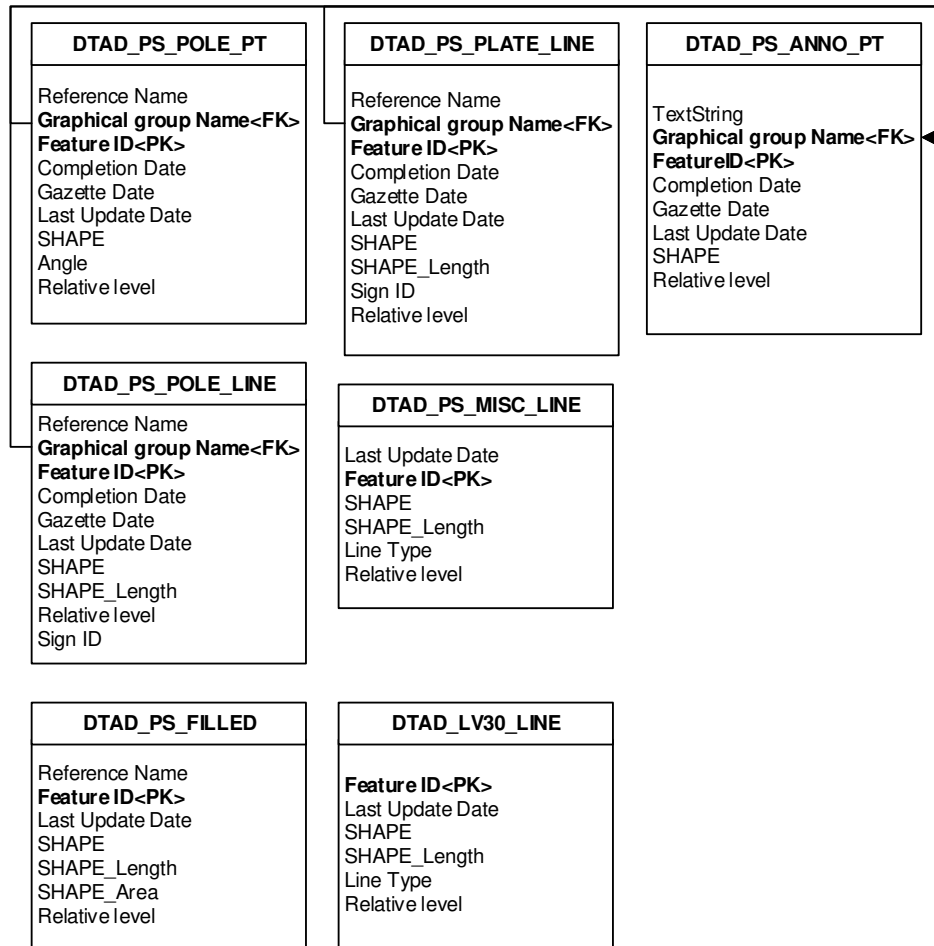
DTAD_CM_FILLED

Reference Name
Feature ID<PK>
Last Update Date
SHAPE
SHAPE_Length
SHAPE_Area
Relative level

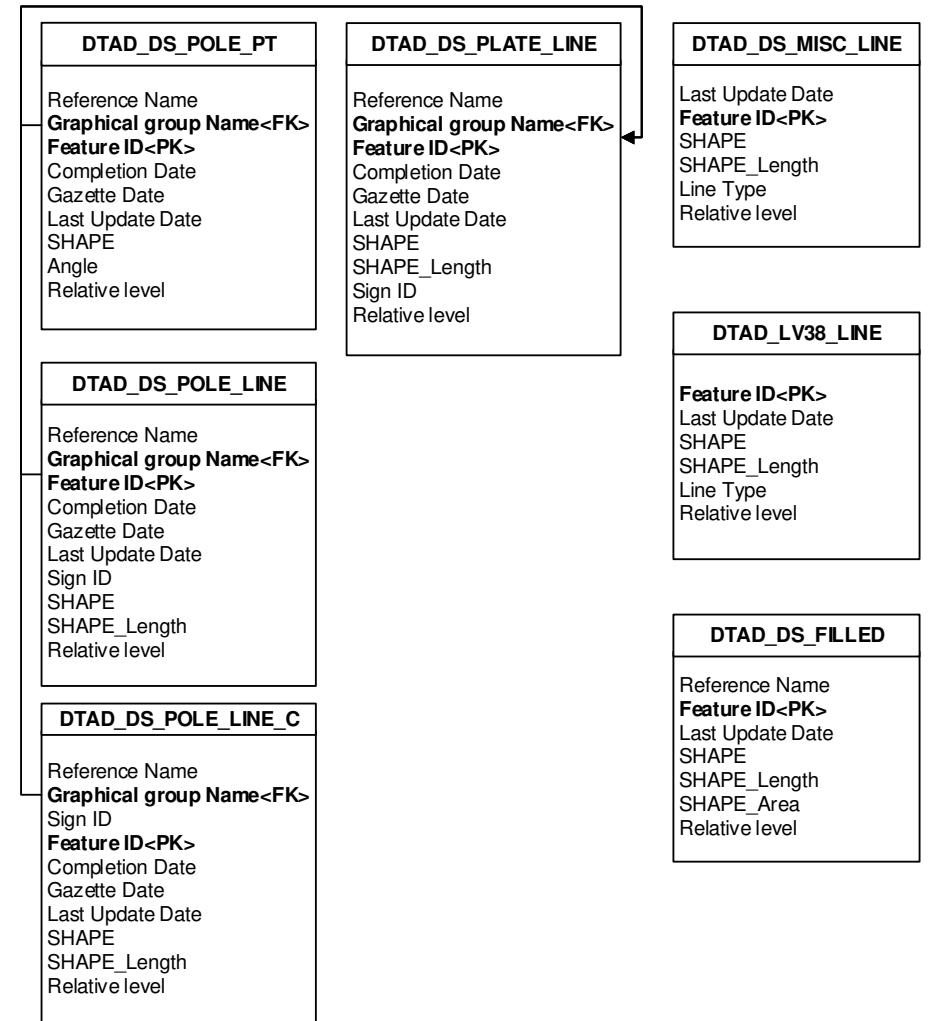
DTAD_LV29_LINE

Feature ID<PK>
Last Update Date
SHAPE
SHAPE_Length
Line Type
Relative level

Pedestrian Sign



Directional Sign and Gantry Sign



Unknown Lines

UNKNOWN_LINE
SHAPE
Last Update Date
Line Type
Relative level
FEATUREID<PK>
SHAPE_Length