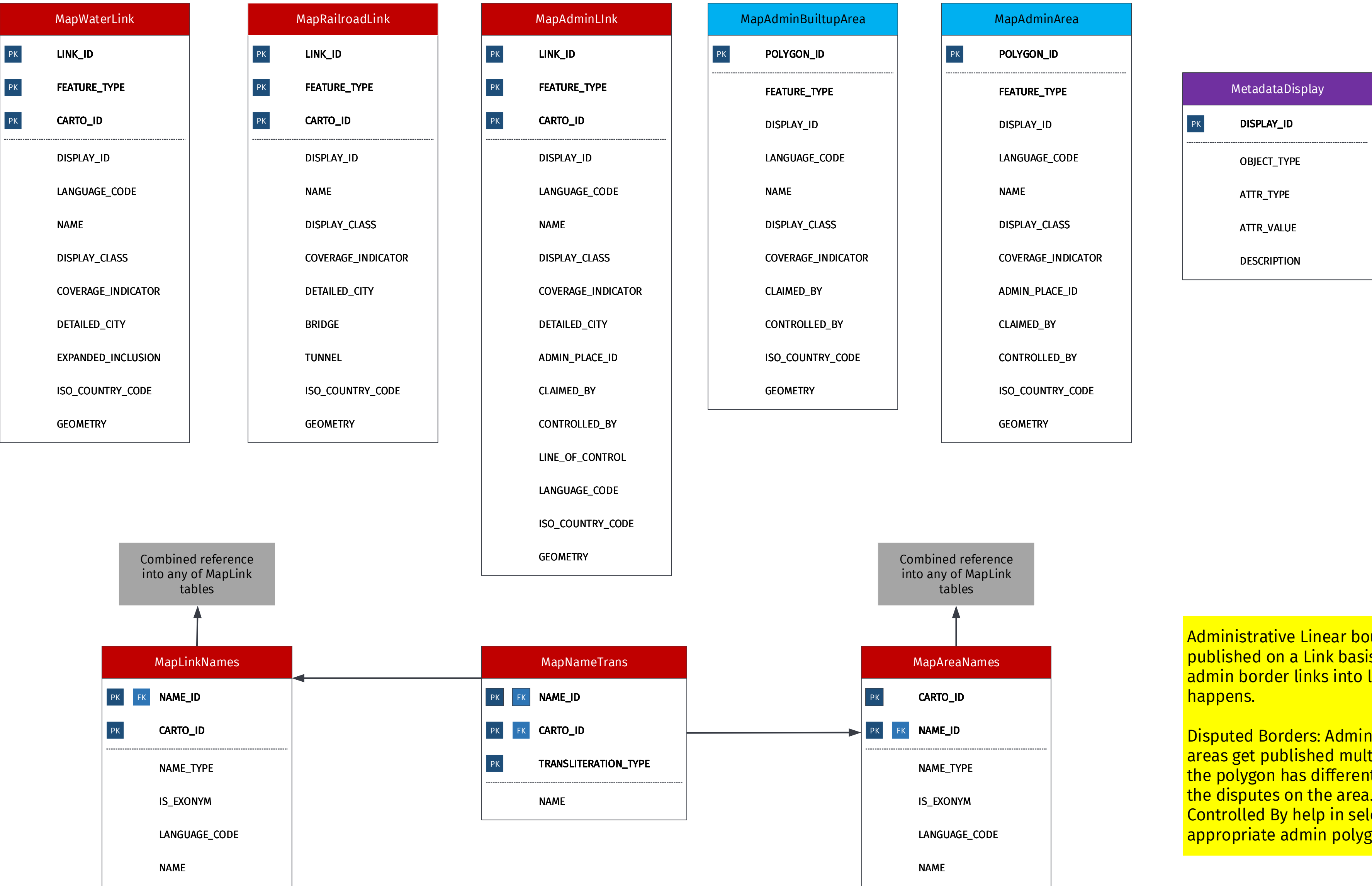


Geometry in Complex Road Feature is optional. Only for CRF Object midpoints a Geometry object is published. The CRF model is just a group of objects.

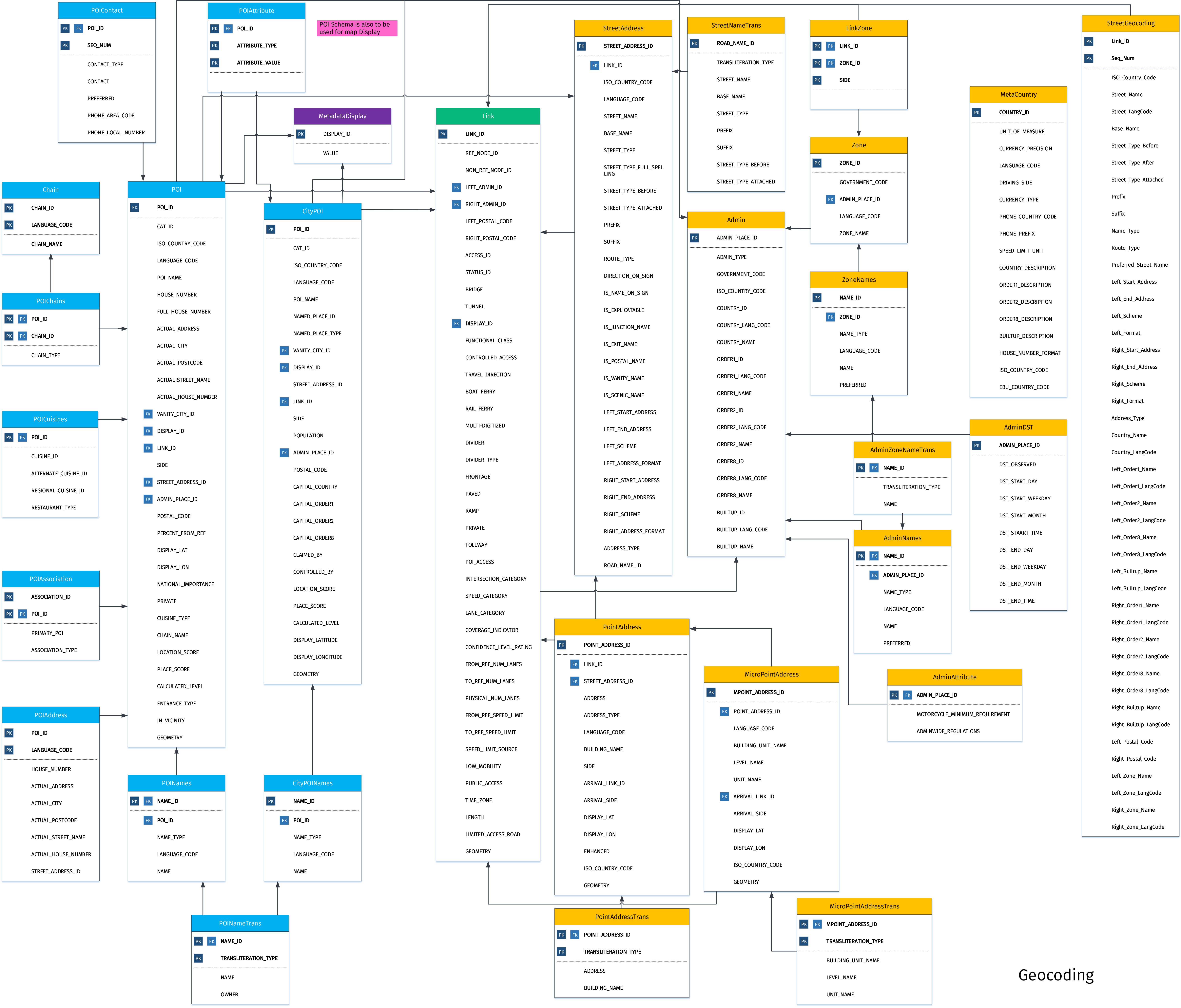
## Mapping



## Routing







Geocoding

# Routing Application

Signposts_Streets	
PK	ObjectID
FK	SignpostID
	Sequence
	EdgeFCID
FK	EdgeFID
	EdgeFrmPos
	EdgeToPos
	Link_ID
	Sign_ID
	DestNumber

Streets	
PK	ObjectID
	Shape
	FromNodeID
	ToNodeID
	StreetNameLng
	StreetName
	StreetNamePrefix
	StreetTypeBefore
	StreetNameBase
	StreetTypeAfter
	StreetNameSuffix
	DirOnSign
	Meters
	SpeedCat
	FuncClass
	DirTravel
	ContrAcc
	FerryType
	Ramp
	Roundabout
	Paved
	PublicAccess
	Tollway
	Time_Zone
	DST_Exist
	TimeZoneID
	RestrictCars
	RestrictBuses
	RestrictTaxis
	RestrictPedestrians
	RestrictDeliveries
	RestrictTrucks
	RestrictCarpools
	RestrictEmergencies
	RestrictThroughTraffic
	RestrictMotorcycles
	Link_ID
	ISOCountryCode
	CarpoolRoad
	ExpressLane

Turns	
PK	ObjectID
	Shape
	Edge1End
	Edge1FCID
	Edge1FID
	Edge1Pos
	AltD1
	Edge2FCID
	Edge2FID
	Edge2Pos
	AltD2
	Edge3FCID
	Edge3FID
	Edge3Pos
	AltD3
	Edge4FCID
	Edge4FID
	Edge4Pos
	AltD4
	Edge5FCID
	Edge5FID
	Edge5Pos
	AltD5
	Edge6FCID
	Edge6FID
	Edge6Pos
	AltD6
	Edge7FCID
	Edge7FID
	Edge7Pos
	AltD7
	RestrictCars
	RestrictBuses
	RestrictTaxis
	RestrictPedestrians
	RestrictDeliveries
	RestrictTrucks
	RestrictCarpools
	RestrictEmergencies
	RestrictThroughTraffic
	RestrictMotorcycles
	Condition_Type
	Condition_ID
	TimeDefinition

Signposts	
PK	ObjectID
	Shape
	ExitName
	Branch0
	Branch0Dir
	Branch0Lng
	Toward0
	Toward0Lng
	Branch1
	Branch1Dir
	Branch1Lng
	Toward1
	Toward1Lng
	Branch2
	Branch2Dir
	Branch2Lng
	Toward2
	Toward2Lng
	Branch3
	Branch3Dir
	Branch3Lng
	Toward3
	Toward3Lng
	Branch4
	Branch4Dir
	Branch4Lng
	Toward4
	Toward4Lng
	Branch5
	Branch5Dir
	Branch5Lng
	Toward5
	Toward5Lng
	Branch6
	Branch6Dir
	Branch6Lng
	Toward6
	Toward6Lng
	SignID
	DestNumber

DistanceMarker	
<b>PK</b>	<b>POINT_FEATURE_ID</b>
<hr/>	
	STREET_ADDRESS_ID
	DISTANCE_VALUE
	DIRECTION_ON_SIGN
	DIRECTION
	UNIT_OF_MEASURE
	ENHANCED
	GEOMETRY

Census	
	ADMIN_PLACE_ID
	ZONE_ID
	CENSUS_TYPE
	CENSUS_VALUE
	LANGUAGE_CODE
	CENSUS_NAME

GuidanceAssoDateTime	
<b>PK</b>	<b>ASSOCIATION_ID</b>
<b>FK</b>	
<hr/>	
<b>PK</b>	<b>SEQ_NUM</b>
<hr/>	
	DATETIME_TYPE
	FROM_END
	EXCLUDE_DATE
	START_DATE
	START_TIME
	END_DATE
	END_TIME

GuidanceAssociation	
<b>PK</b>	<b>ASSOCIATION_ID</b>
<hr/>	
	ASSOCIATION_TYPE
	LINK_ID
	NODE_ID
	DIRECTION
	CALCULATED_IMPORTANCE
	VISIBILITY
	SEASONAL_DEPENDENCY
	RELATIVE_DISTANCE
	FEATURE_EXTENT
	PERMANENCE
	POI_ID
	POLYGON_ID
	AGGR_ID

FeaturePointPreposition	
<b>PK</b>	<b>FEATURE_POINT_ID</b>
<b>FK</b>	
<hr/>	
<b>PK</b>	<b>PREPOSITION_CODE</b>
<hr/>	

FeaturePoint	
<b>PK</b>	<b>FEATURE_POINT_ID</b>
<hr/>	
<b>FK</b>	ASSOCIATION_ID
	FEATURE_POINT_TYPE
	LINK_ID
	SIDE
	GEOMETRY

FeaturePointGuidanceAsso	
<b>PK</b>	<b>FEATURE_POINT_ID</b>
<b>PK</b>	<b>ASSOCIATION_ID</b>
<hr/>	

GuidanceObject	
<b>PK</b>	<b>OBJECT_ID</b>
<hr/>	
	CATEGORY
	EXTERNAL_CATEGORY_ID
	EXTERNAL_CATEGORY_NAME
	EXTERNAL_REFERENCE_TYPE

GuidanceAssociationName	
<b>PK</b>	<b>SEQ_NUM</b>
<hr/>	
	NAME_TYPE
	LANGUAGE_CODE
	NAME

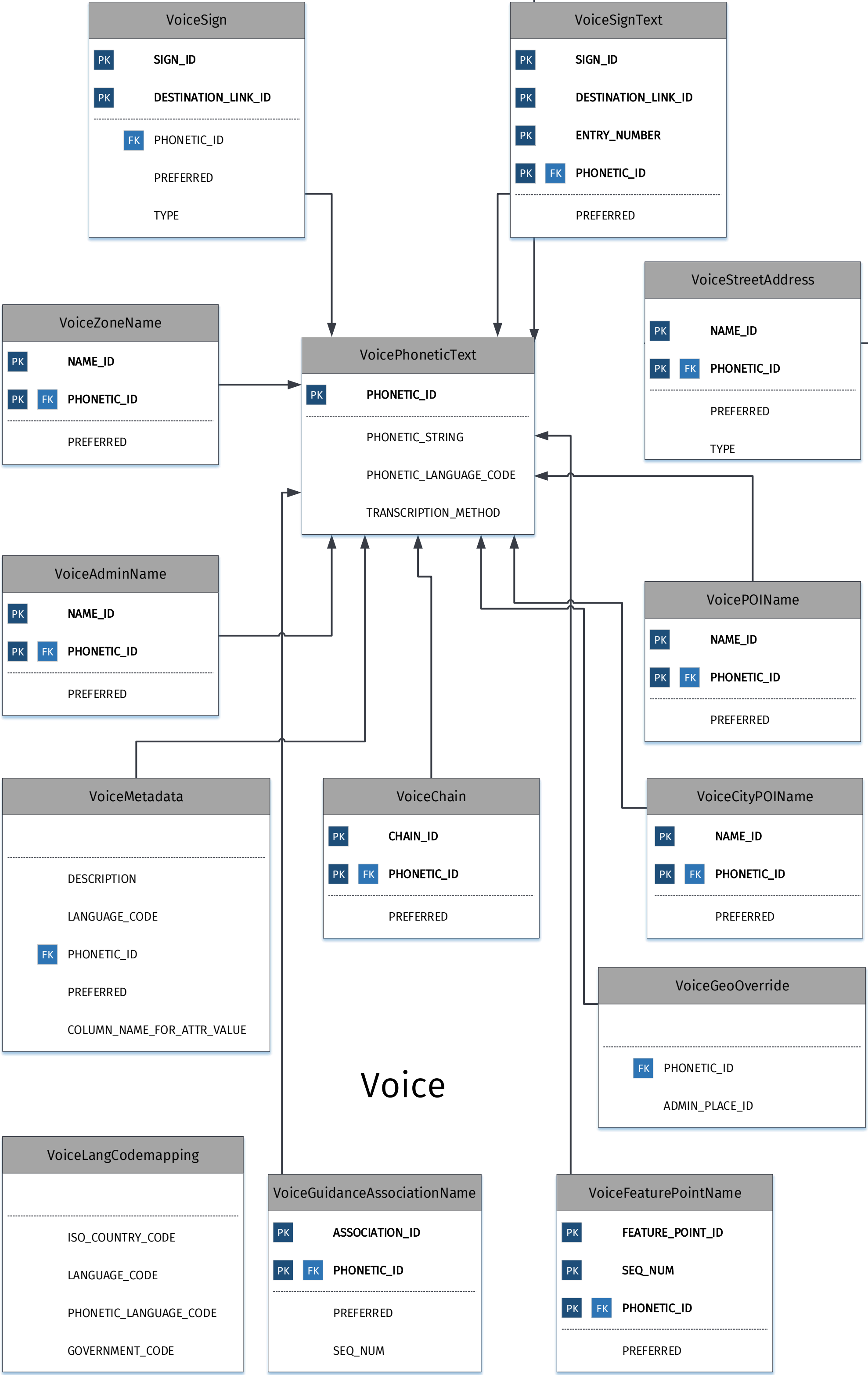
FeaturePointName	
<b>PK</b>	<b>FEATURE_POINT_ID</b>
<b>FK</b>	
<hr/>	
<b>PK</b>	<b>SEQ_NUM</b>
<hr/>	
	NAME_TYPE
	LANGUAGE_CODE
	NAME

GuidanceObjectAsso	
<b>PK</b>	<b>OBJECT_ID</b>
<b>PK</b>	<b>ASSOCIATION_ID</b>
<hr/>	

GuidanceAssoNameTrans	
<b>PK</b>	<b>SEQ_NUM</b>
<b>FK</b>	
<hr/>	
<b>PK</b>	<b>TRANSLITERATION_TYPE</b>
<hr/>	
	NAME

FileAttachment	
<b>PK</b>	<b>MAP_OBJECT_ID</b>
<b>PK</b>	<b>TABLE_NAME</b>
<hr/>	
	FILE_TYPE
	ATTACHMENT_TYPE
	FILE_NAME

Auxiliary Content



# Metadata

- Necessary for inclusion in metadata:
- Feature Type descriptions
  - Category ID descriptions
  - Copndition Attribute Value description
  - POI Attribute Value descriptin
  - Link Attribute Value description

Metadata
TABLE_NAME
COLUMN_NAME_FOR_ATTR_TYPE
ATTRIBUTE_TYPE
COLUMN_NAME_FOR_ATTR_VALUE
ATTRIBUTE_VALUE
LANGUAGE_CODE
DESCRIPTION

VersionInfo
MAP_RELEASE_VERSION
FGDB_SCHEMA_VERSION
DATA_COPYRIGHT
PRODUCT_CREATION_DATE
GEOGRAPHY_COVERED

Defines a premium content package

MetaPremiumPackage
<div>PK</div> PREMIUM_CONTENT_PACKAGE_ID
PREMIUM_CONTENT_PACKAGE
DESCRIPTION

Defines what data is considered premium

MetaPremiumSuppress
<div>PK</div> <div>FK</div> PREMIUM_CONTENT_ID
<div>PK</div> SEQ_NUM
TABLE_NAME
COLUMN_NAME
TYPE

Defines premium content components for a premium content package

MetadataPremiumFeature
<div>PK</div> PREMIUM_CONTENT_ID
<div>FK</div> PREMIUM_CONTENT_PACKAGE_ID
DESCRIPTION
REGION

MetadataPremiumObject
<div>PK</div> PREMIUM_CONTENT_ID
<div>FK</div> PREMIUM_CONTENT_PACKAGE_ID
OBJECT_TABLE_NAME
OBJECT_COLUMN_NAME

Defines the criteria for detecting premium content

MetaPremiumRule
<div>PK</div> <div>FK</div> PREMIUM_CONTENT_ID
<div>PK</div> SEQ_NUM
TABLE_NAME
COLUMN_NAME
VALUE

Defines Map Feature IDs identifying premium content

MetaPremiumID
<div>PK</div> <div>FK</div> PREMIUM_CONTENT_ID
<div>PK</div> MAP_FEATURE_ID