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Bicycle Network for Greater Copenhagen Area

The overall strategy has been be to use a complete geographic network of roads and paths used for bicycling, and then adds the required information from all available datasources onto that. The quality of the information has been tested by comparing different sources where available, and each network link has a quality ranking for most attributes.

The geographic network is based on FOT-kort10. The attributes in FOT respect a national standard and most importantly the roadnetwork is seamless across municipality borders (as opposed to TOP10DK). FOT is expected to cover all of Denmark in 2013, but until then København, Tønder and Åbenrå municipalities are missing. In FOT-kort10 these areas are covered by TOP10DK instead. Modelcenter has corrected the topological errors in a 2011 version of FOT-kort10.

A minor number of links have been added to the network manually, where map matching results has revealed gaps.

Attributes overview

ID	Unique id			
FOT_kbh_ID	Datawork related reference			
FEAT_ID	Original FOT-kort10 id			
From_node	Unique node identification			
To_node				
mm_Aktiv	Datawork related attribute, derived from "Type"			
rc_Aktiv				
OpenFor	Driving directions			
OpenBack				
Туре	11	Road		
	12	Road with bicycle lane		
	13	Road with bicycle path		
	21	Bicycle path		
	22	Footpath		
	23	Steps		
	31	No bicycle access		
	32	No access		



Surface	1	Paved			
	2	2 Paved, cobblestone			
	3	3 Unpaved			
	4	Unpaved, only mtb			
LanduseRight	Low residential, High residential, Industry, Town center,				
Landuseright	Park, Forrest, Heath, Cemetery, Sport facilities, Sand,				
LanduseLeft	Technical facilities, Gravel pit ect,				
	Coast, Lake, Wetland, Stream				
Avg_slope	Average of slopes on all subparts of a link.				
Max_slope_upwards	Upwards and downwards is relative to drawing direction of the link.				
Max_slope_downwards	Opwaras	opwards and downwards is relative to drawing direction of the link.			
FromIntersectionLegsAll		Dead end links are exclude			
ToIntersectionLegsAll	Count of	leas in an intersection	count.		
FromIntersectionLegsRoad	Count of legs in an intersection.		Dead end links and paths (type 21		
ToIntersectionLegsRoad	and 22) are excluded in the count.				
FromIntersectionType	-1 Unknown				
	0	No intersection (pseudo-nodes and path intersecting road)			
	1 Giveway junction (da: vigepligt)				
ToIntersectionType	2				
	3	3 Traffic Signal			
MotorTrafficCnoodLimit	+		I		
MotorTrafficSpeedLimit MotorTrafficLanes	Based on NavTeq Streets				
MotorTrafficLanes	Deference	a to LTM wavelen 1 O ba	_	4	
LTM_ID	Reference to LTM version 1.0 beta road network		For paths with type 13 values re-		
LTM_LinkType	ta roda n	ta road network		fers to corresponding road.	
	LTM mod	lelled average week day	-	1	
LTM_WDT	total traffic (C146)				
LTM_TruckShare	Truck share of <i>LTM_WDT</i>				
AccidentsVejman08_12	Count of	Count of reported accidents 2008 to 2012			
Dead_end	Value is 1 for dead end link, while links				
	with values greater than 1 is dead end			Possibly to be used for lim-	
	only if links with lower values are removed.			iting the number of links.	
Serviceroad	Road of lesser importance.				
Sei vicei dau	NOAU OF I	esser importance.			



Type_quality				
Directions_quality	Datawork related attributes.			
Surface_quality				
Municipality				
GreaterCopenhagenArea				
Urban	Urban area is defined as place with more than 200 inhabitants and less than 200 meters between houses			
FOT_Vejtype	Datawork related attributes			
Shape Length	Lenght in meters			