Corporate Production GIS Metadata

Kitchener GeoHub | Open Data Metadata Home

Layer Name: Walkability

General Information

Layer Name:	Walkability
# of Features:	41575
Status:	ACTIVE
Layer Source:	GIS_DATA.ACTIVE_TRANSPORTATION
Layer Quality:	Good
Feature Accuracy:	+/- 0.5m
Type:	POLYLINE
Description:	Centreline of sidewalks, trails, crosswalks and walkability links
Projection:	NAD 83 UTM Zone 17N (EPSG 26917)
Disclaimer:	The City of Kitchener assumes no responsibility for the accuracy of the provided data. Any use of this information is done so at the users risk. Good survey practices must be applied when utilizing this information. The City of Kitchener and its partners have created this data for information purposes on an as-is and as available basis and is under no circumstances a substitute for a Legal Survey. The City does not make any representations or warranty, express or implied, concerning the accuracy, quality, likely results, or reliability of the use of the data. The City of Kitchener assumes no responsibility for any errors and is not liable for any damages of any kind resulting from the use of, or reliance on, the information and material contained in this layer. All information should be verified independently before being used or relied on. Users are encouraged to contact the City of Kitchener to ensure the accuracy of the information provided by Kitchener.

Source and Contraints

Source Map Label:	Sidewalk Centrelines: Corporate Services - Technology Innovation and Services - GDA (Current)
History:	After the sidewalk polygons were created, ArcMap was used to create a centreline for each sidewalk polygon. Since this did not take place for the ramps the centre lines were snapped together at each intersection. Updated based on either information provided by Engineering or picked up off the Ortho Imagery reflys. This layer is maintained with a category field to determine the type of sidewalk i.e. sidewalk, walkway sidewalk or trail link sidewalk. Oct 2005 Sidewalk updates were added in as well as potential sidewalks along regional roads and roads ranked with a priority from the sidewalk priority project (Patrica Bacon and Larry Lynch) were added. Sep. 2007 Added all active and potential sidewalks based on 2006 Ortho and roadsegments/parcels. 2020: The values in the SUBCATEGORY field reflect the City's 2020 Cycling and Trails Master Plan (CTMP, p 23), and are generally split into two major components: All Ages and Abilities (AAA) Facilities, and Supporting Facilities. For Walkability, AAA facilities are MUTs (Multi-Use Trails) and BMUTs (Boulevard Multi-Use Trails - trails within and along road ROWs); Supporting facilities are Major (granular surface) and Minor (natural surface/footpaths) Trails. Other facilities that do not fall under the CTMP are: Sidewalks, Walkways (a sidewalk connecting two neighbourhoods or subdivisions), Crosswalks, Links (virtual street crossings), and Connections (unofficial routes along roads or driveways connecting separate facilities. For Cycling, AAA facilities are Neighbourhood Bikeways (Traffic-calmed and restricted streets) and Separated Bike Lanes/Cycle Tracks. Supported facilities are traditional painted Bicycle Lanes, and Paved Shoulders. Other cycling facilities not covered in the CTMP are: Marked Shared-use (i.e. Sharrows), Signed Routes, Crossbikes, Transition to BMUTs (ramps connecting bike lanes to BMUTS)
Original Source:	TIS - GeoSpatial Data and Analytics
Original Source Process:	
Maintenance:	New sidewalks are added from Engineering General Plans as part of the Land Development Process. They are added in as pending and when the houses are built the status is changed to Active.

Current Info Source:	Engineering General Plans and Ortho Imagery
Outstanding Issues:	
Update Frequency:	ANNUAL

Data Fields & Domain Information

Walkability

Column Name	Alias	Data Type	Comments	Domain Name	Default value	Domain Values
OBJECTID	OBJECTID	NUMBER	ESRI system maintained integer field used to uniquely identify rows in tables in a geodatabase. Note that OBJECTIID values change upon export or import of the data and should not be used as a primary field for searching or identifying records.			
ACTIVETRANSPORTID	Activetransportid	NUMBER	Database maintained field that permanently assigns a unique value for each record. This ID value should be the one referred to when identifying a record.			
STATUS	Status	VARCHAR2	Indicates the status of feature. A pick list is used for this field - contact GIS for pick list values.	AtStatus	ACTIVE	ACTIVE; CLOSED; PLANNED; POTENTIAL; UNDESIGNATED
STATUS_DATE	Status Date	TIMESTAMP(6)	Database maintained field. Updates to the current date/time when the STATUS field value is changed.			
CATEGORY	Category	VARCHAR2	Identifies the major branches of Active Transportation modes.	AtType	SIDEWALKS AND WALKWAYS	CYCLING; MAINTENANCE ACCESS; NETWORK LINKS; PATHWAYS; SIDEWALKS AND WALKWAYS

Column Name	Alias	Data Type	Comments	Domain Name	Default value	Domain Values
SUBCATEGORY	Subcategory	VARCHAR2	Identifies a further breakdown of the major branches of Active Transportation modes.	AtSubcategory	SIDEWALK	BICYCLE LANE; COMBINED CROSSRIDE; CONTINUOUS SIDEWALK; CYCLE TRACK; MIXED CROSSRIDE; RAISED TRAIL CROSSING; SANITARY AND STORMWATER UTILITIES; SINGLE TRACK; TRAIL CROSSING; TRANSITION TO BMUT ...See GIS for a complete list...
TRAIL_MASTER_PLAN_CLASS	Trail Master Plan Class	VARCHAR2	same as CTMP_FACILITY_TYPE	AtTrailMasterPlanClass		CTMP; CTMP ABANDONED; CTMP COMPLETED AS PROPOSED; CTMP COMPLETED DIFFERENTLY; CTMP EXISTING; CTMP PROPOSED NEW; CTMP PROPOSED UPGRADE; OTHER; UNKNOWN
FEATURE_TYPE	Feature Type	VARCHAR2	Quickly shows locations of bridges and other non-standard asset types. Can also be used to query out features when mapping vertical relationships between features.	AtFeatureType	SURFACE	BOARDWALK; BRIDGE; NA (VIRTUAL LINK); OVERPASS; STAIRS; SURFACE; UNDERPASS; UNKNOWN
SURFACE_MATERIAL	Surface Material	VARCHAR2	Identifies the type of surface material of the asset.	AtSurfaceMaterial	CONCRETE	ASPHALT; GRAVEL; NA (VIRTUAL LINK); NATURAL; STEEL; STONE; STONEDUST; TAR AND CHIP; UNKNOWN; WOOD ...See GIS for a complete list...

Column Name	Alias	Data Type	Comments	Domain Name	Default value	Domain Values
ROUTE_NAME_1	Route Name 1	VARCHAR2	Gives name of route	AtRouteName1		CENTRAL STATION TRAIL; DOON CREEK TRAIL; DOON SOUTH HYDRO CORRIDOR TRAIL; EVAN'S POND TRAIL; EVENSTONE TRAIL; GROH TRAIL; STAUFFER TRAIL; STAUFFER WOODS TRAIL; TARTAN WOODS TRAIL; TILT TRAIL ...See GIS for a complete list...
ROUTE_NAME_2	Route Name 2	VARCHAR2	Gives alternate name of route, i.e. if two routes share a facility before diverging again.	AtRouteName2		BOARDWALK - BRESLAU; CONESTOGA COLLEGE DOON - BOARDWALK; DOWNTOWN - FAIRWAY - TRILLIUM; DOWNTOWN - STANLEY PARK; FOREST HEIGHTS - DOWNTOWN; MANNHEIM - DOWNTOWN; MANNHEIM - FAIRWAY - STANLEY PARK; NONE; SPORTSWORLD - STANLEY PARK - WATERLOO; TRANS CANADA TRAIL
ROUTE_NAME_PROPOSED	Route Name Proposed	VARCHAR2	Identifies potential named route			
WIDTH_M	Width M	NUMBER	Gives width of facility in metres default width 1.8m	AtWidth	1.5	0; 10; 12; 6.5; 7; 7.5; 8; 8.5; 9; 9.5 ...See GIS for a complete list...
GRADE	Grade	VARCHAR2	Indentifies maximum slope present along facility as calculated through a script	AtGrade		EXTREME; FLAT; MODERATE; NONE; STEEP; UNKNOWN
RAILING	Railing	VARCHAR2	Indicates presence of railing along the segment	YesNoOnly	N	No; Yes

Column Name	Alias	Data Type	Comments	Domain Name	Default value	Domain Values
CURBCUT	Curbcut	VARCHAR2	Indicates whether the facility is a curbcut down to street level	YesNo	N	N - NO; U - UNKNOWN; Y - YES
STREET	Street	VARCHAR2	Street name of the feature based on the STREET MASTER Table.			
ROADSEGMENTID	Roadsegmentid	NUMBER	ID of the Road the feature is on if applicable			
ROADSEGMENT_SIDE	Roadsegment Side	VARCHAR2	Side of the road the feature is on if applicable	AtSide	NA	LEFT; NA; RIGHT; UNKNOWN
PARCELID	Parcelid	NUMBER	Reference Parcel ID that the feature is located in. The value is either manually entered or generated from a spatial join process.			
WARD	Ward	NUMBER	Reference Ward that the feature is located in. The value is either manually entered or generated from a spatial join process.	WardCodedValues		
SOURCE	Source	VARCHAR2	GIS maintained field. Source EDRA (Electronic Document Registration Application) document number, or name of department or specific staff member that the information came from.			
SOURCE_DATE	Source Date	TIMESTAMP(6)	GIS maintained field. Date of the source document or information.			
NOTES	Notes	VARCHAR2	Descriptive text outlining any problems or to highlight special characteristics of the feature.			
OWNERSHIP	Ownership	VARCHAR2	Asset Owner: Who owns the feature, Generally Government agencies such as CITY, REGION and MTO and private citizens and businesses shown as PUBLIC. This usually relates to the property the asset sits on.	AtOwnership	KITCHENER	GRCA; HYDRO; KITCHENER; PRIVATE; PROVINCE; REGION; UNKNOWN; WATERLOO; WCDSB; WRDSB

Column Name	Alias	Data Type	Comments	Domain Name	Default value	Domain Values
MAINTAINED_BY	Maintained By	VARCHAR2	Asset Steward: The division at the City of Kitchener that is the custodian/caretaker of the asset. This is the City department or Non-City group that maintains an asset.	AtMaintainedBy		CEMETERY; NA; OPERATIONS (ROADS); OPERATIONS (TURF); PRIVATE; REGION; SSU; UNKNOWN; WCDSB; WRDSB ...See GIS for a complete list...
INSTALLATION_YEAR	Installation Year	NUMBER	Year the asset was installed. Usually a database maintained field.			
LAST_INSPECTION_YEAR	Last Inspection Year	VARCHAR2	Last year feature was inspected through the sidewalker inspection program in Engineering or Operations trail inspections			
SURFACE_CONDITION	Surface Condition	VARCHAR2	Surface condition as found in the 2015 Trail inventory project	AtSurfaceCondition	GOOD	FAIR; GOOD; POOR; UNKNOWN; UNUSABLE
CONDITION_DATE	Condition Date	TIMESTAMP(6)	Date of alculated condition score from Cityworks			
CONDITION_SCORE	Condition Score	NUMBER	Calculated condition score from Cityworks			
SW_WEIGHT_CLASS	Sw Weight Class	VARCHAR2	Sidewalk weight class as determined by			
SW_PRIORITY	Sw Priority	NUMBER				
PN_PROJECT_NO	Pn Project No	VARCHAR2				
PN_MAP_CLASS	Pn Map Class	VARCHAR2				
PN_OFFICIAL_PLAN_MAP	Pn Official Plan Map	VARCHAR2				
PN_REGION_CATEGORY	Pn Region Category	VARCHAR2				
CREATE_BY	Create By	VARCHAR2	Database maintained field. Updates to the user name that created the feature. Update takes place when the feature is created.			
CREATE_DATE	Create Date	TIMESTAMP(6)	Database maintained field. Updates to the current data/time. Update takes place when the feature is created.			

Column Name	Alias	Data Type	Comments	Domain Name	Default value	Domain Values
UPDATE_BY	Update By	VARCHAR2	Database maintained field. Updates to the user name that most recently updated either an attribute or the geometry of the feature. Update takes place when the feature is created and/or changed.			
UPDATE_DATE	Update Date	TIMESTAMP(6)	Database maintained field. Updates to the current data/time when an attribute or the geometry of the feature is changed. Update takes place when the feature is created and/or changed.			
SHAPE	SHAPE	ST_GEOMETRY	ESRI system maintained field. Stores the geometry type and geometry of the feature.			
CW_WORK_AREA	Cw Work Area	VARCHAR2	Work areas used in Cityworks to assign work. Currently it is set to the plow route areas	CityworksWorkAreaPlow		11-2; 12-2; 2-1; 2-2; 3-1; 5-1; 5-2; 7-2; 8-1; UNKNOWN ...See GIS for a complete list...
WAYFINDING	Wayfinding	VARCHAR2		YesNoOnly	N	No; Yes
WINTER_MAINTENANCE	Winter Maintenance	VARCHAR2	Is the section winter maintained	AtWinterMaintenance	NONE	LOAD; NA; NONE; PLOW
PLOW_OFF_ROAD	Plow Off Road	NUMBER				
PLOW_DESC_NUM	Plow Desc Num	NUMBER				
WINTER_MAINTAINED_BY	Winter Maintained By	VARCHAR2	What section performs winter maintenance if it is done	AtMaintainedBy		CEMETERY; NA; OPERATIONS (ROADS); OPERATIONS (TURF); PRIVATE; REGION; SSU; UNKNOWN; WCDSB; WRDSB ...See GIS for a complete list...
SIDEWALKER_PROGRAM	Is sidewalk part of the Sidewalker Program	VARCHAR2	Is the segment part of the current year's sidewalk inspection program completed by engineering. Segments may be excluded due to construction in the area or sidewalk is stll under a developer warrenty	YesNoOnly	N	No; Yes
UPGRADE_YEAR	UPGRADE_YEAR	NUMBER				

Column Name	Alias	Data Type	Comments	Domain Name	Default value	Domain Values
FACILITY_TYPE	CTMP_FACILITY_TYPE	VARCHAR2		AtCtmpFacilityType	NA	AAA; CONSTRAINED CORRIDOR; NA; SUPPORTING; UNKNOWN
SOC_AAA	Largest AAA network	VARCHAR2				
SOC_SUP	Largest supporting network	VARCHAR2				
SLOPE_GRADIENT_PERCENT	SLOPE_GRADIENT_PERCENT	NUMBER				
SLOPE_GRADIENT_CLASS	SLOPE_GRADIENT_CLASS	VARCHAR2				
SLOPE_GRADIENT_SOURCE	SLOPE_GRADIENT_SOURCE	VARCHAR2				
SLOPE_GRADIENT_MAX	SLOPE_GRADIENT_MAX	NUMBER				
SLOPE_GRADIENT_MIN	SLOPE_GRADIENT_MIN	NUMBER				
SLOPE_GRADIENT_AVG	SLOPE_GRADIENT_AVG	NUMBER				
GRADE_CATEGORY_MAX	GRADE_CATEGORY_MAX	VARCHAR2				
PATHWAYS_MAINTENANCE	PATHWAYS_MAINTENANCE	VARCHAR2		YesNoOnly	N	No; Yes
PATHWAYS_MAINT_AREA	PATHWAYS_MAINT_AREA	NUMBER				

*Layer Quality:
SCHEMATIC - spatial representation of features are not to scale and not in accurate relative position to other features on other layers.
GENERALIZED - position of features are approximate, should not be used in conjunction with base layers (parcel fabric or Ortho-imagery)
GOOD - position of features are usually based on relative position to base layers (Ortho-imagery or parcel fabric)

Note: Dataset may not include all fields: Open Data layers will only include fields approved for sharing as open data

---
