Data Inventory

The core and primary data table for the service area geospatial analysis and multi-criteria decision analysis conducted.

Dataset	Format	Coordinate System	Source	Feasibility and Accuracy
Pedestrian Sidewalk Data - OpenStreetMap	Shapefile (.shp)	Unprojected – Projection Needed	Obtained via OpenStreetMap extraction. (October 9, 2024)	Extracted shapefiles containing all linear OpenStreetMap features listed as a pedestrian footpath, sidewalk, or other pedestrian-tagged features in the Calgary region. Some accuracy issues arise from poor and inconsistently labelled pedestrian data.
DMTI Road Network – Calgary Region	Shapefile (.shp)	WGS84 EPSG:4326	Obtained via SANDS. (2024, September 11). Spatial and Numeric Data Services at the University of Calgary. https://sands.ucalgary.ca/	Contains all major road networks updated to September 11, 2024. This is a critical dataset needed for road network analysis.
Citywide Land Cover	Shapefile (.shp)	Unprojected – Projection Needed	Citywide Land Cover. (2024, February 1). Calgary.ca. https://data.calgary.ca/Environment/Citywide-Land-Cover/as2i-6z3n/about_data	Identified land cover types in Calgary as of February 1, 2024. Additional projections will be needed for this dataset, but the data contains landcover types that will aid in identifying sites of interest.
Calgary Transit Routes	Shapefile (.shp)	WGS84 EPSG:4326	Calgary Transit Routes. (2024, September 11). Calgary.ca. https://data.calgary.ca/Transportation-Transit/Calgary-	Contains all Calgary Transit bus routes up to date as of September 11, 2024.

			Transit-Routes/hpnd-riq4/about_data	
Land Use Districts	Shapefile (.shp)	WGS84 EPSG:4326	Land Use Districts. (2024, September 8). Calgary.ca. https://data.calgary.ca/Base-Maps/Land-Use-Districts/qe6k-p9nh/about_data	Up to date shapefile containing all the zoned districts in Calgary, with appropriate codes linked to current zoning bylaws. This will be needed to filter the network analysis and highlight areas that can be proposed to undergo a land use change.
Green Line Alignment	Shapefile (.shp)	WGS84 EPSG:4326	Green Line Alignment. (2023, October 30). Calgary.ca. https://data.calgary.ca/Transportation-Transit/Green-Line-Alignment/wyyc-63e5/about_data	Highly accurate linear features of the two originally proposed phases of the Green Line LRT in Calgary. While current political issues may change the alignment of this LRT line, this current alignment will be assumed for the network analysis.
Transit LRT Stations	Shapefile (.shp)	WGS84 EPSG:4326	Transit LRT Stations. (2024, September 1). Calgary.ca. https://data.calgary.ca/Transportation-Transit/Transit-LRT-Stations/2axz-xm4q/about_data	Highly accurate points of C-Train stations in Calgary, can easily be converted to "facilities" in network analysis and visualized in final map products.
Fire Stations	Shapefile (.shp)	WGS84 EPSG:4326	Fire Stations. (2024, September 1). Calgary.ca. https://data.calgary.ca/Health-and-Safety/Fire-	Point data of fire station locations, which can be used as facilities for service area analysis. Recently updated.

			Stations/cqsb-2hhg/about_data	
Grocery Stores - OpenStreetMap	Shapefile (.shp)	Unprojected – Projection Needed	Obtained via OpenStreetMap extraction. (October 15, 2024)	Grocery and convenience store locations extracted from OpenStreetMap, which can be used as facilities for service area analysis.
Primary Care Facilities	Comma-Separated Values (.csv)	Unprojected – Projection Needed		Point data of primary care facilities in Calgary, which can be used as facilities for service area analysis. Recently updated.
Bus Stops	Shapefile (.shp)	Unprojected – Projection Needed		Point data of Calgary Transit bus stops, which can be used as facilities for service area analysis. Recently updated.
K-12 Schools	Comma-Separated Values (.csv)	Unprojected – Projection Needed		Point data of Calgary K-12 Schools, which can be used as facilities for service area analysis. Recently updated.
Pathways Connector Data	Shapefile (.shp)	WGS84 EPSG:4326	Pathways Connector Data. (2024, September 8). Calgary.ca. https://data.calgary.ca/Recreation-and-Culture/Pathways-Connector-Data/6eun-p5zf/about_data	Linear data of pathways that can be utilized for a "walking distance" network layer. Highly accurate and recently updated.