

**Appendix I**  
**Healthy Development: Monitoring Map**

**Healthy Development Framework (HDF) Built Environment Attributes and Corresponding Indicators**

<b>Built Environment Attribute from the Healthy Development Framework (HDF)</b>	<b>Indicators in Healthy Development: Monitoring Map</b>	<b>Data Source</b>	<b>Year</b>	<b>Included in Peel Walkability Composite Indicator (PWCi)</b>
<p><b>Density:</b></p> <p>Higher development densities create demand and support for a broader variety of services, employment opportunities, transit and other community destinations/facilities within a closer distance. Increasing the number of destinations in a community creates opportunities for active transportation (walking, bicycling, etc.) which is a key component of creating healthier places to live.</p>	Gross residential density	Census	2016	Yes
	Gross population density	Census	2016	No
	Gross employment density	Employment Survey, City of Mississauga, City of Brampton, Town of Caledon	2015 - 2016	No
	Gross population-plus-employment density	Census  Employment Survey, City of Mississauga, City of Brampton, Town of Caledon	2016  2015-2016	No
<p><b>Service Proximity:</b></p> <p>Service and employment proximity affect the travel distance between daily destinations, such as home and work. Travel distance has a strong influence on whether people choose to walk or bicycle, rather than drive a car. The goal of service proximity is to achieve a reasonable cluster of key services and employment opportunities to residences and transport nodes, based on walking distance.</p>	Proximity to frequent transit	Census  General Transit Feed Specification (GTFS), City of Mississauga, City of Brampton, Metrolinx	2016  2016	Yes
	Proximity of employees to frequent transit	GTFS, City of Mississauga, City of Brampton, Metrolinx	2016	No

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		Employment Survey, City of Mississauga, City of Brampton, Town of Caledon	2015-2016	
	Proximity to parks and greenspaces	Census Parks, Peel Data Centre	2016 2016	Yes
	Proximity to food retailers	Census Food Check Peel	2016 2016	Yes
	Proximity to schools	Census Schools, Peel Data Centre	2016 2016	Yes
	Proximity to retail and community services	Census Landmarks, Peel Data Centre Employment Survey, City of Mississauga, City of Brampton, Town of Caledon	2016 2016 2015-2016	Yes
<b>Land Use Mix:</b>  Providing a range and mix of land uses such as employment, institutional, residential, etc. within a community, as well as within buildings themselves, facilities walking and cycling as	Diversity of land use	Parcel Based Land Use, Peel Data Centre	2016	Yes
	Diversity of housing stock	Census	2016	Yes
	Percent of affordable ownership housing	Affordable Housing Monitoring Data Set, Peel	2015	No

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viable modes of transportation, supports a more compact and efficient urban form and creates the necessary demand and support for public transit.		Data Centre		
<b>Street Connectivity:</b>  Creating communities with high street connectivity reduces the distances, promotes active transportation by increasing route options and convenience, and dissipates vehicular traffic throughout the network.	Intersection density	Single-line Street Network, Peel Data Centre	2016	No
	Ratio of pedestrian infrastructure to automobile infrastructure	Sidewalks (Planimetric), City of Brampton, City of Mississauga, Peel Data Centre  Single-line Street Network, Peel Data Centre	2016  2016	No
<b>Streetscape Characteristics:</b>  A well-designed streetscape improves the safety, comfort and convenience of travelling by foot or bike and makes public spaces more inviting. The streetscape can promote increased physical activity, community interaction and accessibility, while reducing the incidence of crime and traffic-related pedestrian and cycling injuries.	Percent of street tree canopy cover over sidewalk	Land Cover, B.A. Blackwell & Associates Ltd.	2015	No
	Proximity to bicycle networks	Census  Trails, Peel Data Centre	2016  2016	No
	Proximity of employees to bicycle networks	Trails, Peel Data Centre  Employment Survey, City of Mississauga, City of Brampton, Town of Caledon	2016  2015 - 2016	No

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	Percent of local roads labeled as 40 km/h or less	Single-line Street Network, Peel Data Centre	2016	No
<p><b>Efficient Parking:</b></p> <p>Automobile parking is an important amenity to residents and businesses, but it can have negative effect on proximity, density, and then aesthetic of the public realm. Abundant, low-cost parking also provides little incentive for residents, employees and shoppers to use active means of transportation. Imperviable surface parking lots negatively impact water and air quality by contributing to stormwater run-off and urban heat island effect.</p>	Percent of employment land area covered in surface parking	<p>Land Cover, B.A. Blackwell &amp; Associates Ltd.</p> <p>Parking Lots (Planimetric), City of Mississauga, City of Brampton</p>	<p>2015</p> <p>2016</p>	No