



- Introduction to the Orbit Potential & Innovation Plan (OPIP) (15 minutes)
- Site parameters and initial population estimates (5 minutes)
- The Orbit vision (10 minutes)
- Implementing the vision (20 minutes)
- Design development (15 minutes)
- Your feedback: discussion and Q&A (25 minutes)

Introduction



OPIP Project Team



Orbit Goals

The Council has resoundingly and unanimously endorsed the Orbit Vision. The Orbit Vision doesn't necessarily strive to re-create city building, but rather blend the best of proven and 'next' practice ideas into the context of the Town and how it wants to grow by achieving the following five goals as stated in the RFP document:



Achieving a sense of place

Greater time in your neighbourhood creates new opportunities for placemaking resulting in more social interactions within better designed spaces



15 Minute Neighbourhoods

Creating 15 Minute Neighbourhoods designed with a People-First approach and integrated greenspaces



Higher quality density

Promote density and diversity within different types of buildings, integrating larger balconies and outdoor spaces to improve living quality



An 'Insightful' City

Make day-to-day life easier using technology and Smart Cities concept without losing the focus on good neighbourhood design



Sustainable community

Build a community in a manner that minimizes carbon emissions through the entire process from design to construction to living





Orbit Vision

Urban structure and form



- Radial movement centred on the transport hub
- Concentric circulation patterns
- Linear park along railway
- 4 High density surrounding station and decreasing towards edges

Design considerations

One single focal point (the station and relative public space)
Enhance/strengthen access to public space from outer areas
Avoid repetition in urban pattern and street frontages
Provide more variety in road hierarchy and typology and enhance pedestrian and cycle movements





Proposed Orbit Location



OPIP's role in the Planning Process



Sajecki→ Planning WestonWilliamson+Partners H△T⊂H

Proposed Orbit Timeline



OPIP Timeline & Engagement Touchpoints

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Engagement Touchpoints		Early Summer 2022 Indigenous & Community Engagement		November 2022 Public Meeting	December 2022 Present SP/MSP to Council	January 2023 Public Review of SP/MSP	Council Adoption o SP/MSP	of
SPRING 2022	•	•	•	•	•			WINTER 2023
Project Milestones	Develo	e I ption Testing & Layout opment (SP) June-August 2022	Preliminary Preferred Solution August 2022 Preferred Solution Selection November 2022		Draft Final OPIP December 2022			rbit
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OPIP engagement to date

Town	Staff	Wo	rksh	nop
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Workshop themes:

- Districts and character areas, • placemaking functions
- Building heights ٠
- Mobility and active travel ٠
- Public spaces and parks ٠
- Employment spaces typology and ٠ location

Developer/owner follow-up meeting (2019)	April 21 st , 2022
Town Staff Report providing update on OPIP engagement and station development	April 27 th , 2022
Orbit website release	May 26 th , 2022
Notice of Commencement: Posted in Innisfil Journal May 26 th and June 26 th	May 26, 2022









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April 19th, 2022

Concept ideas - Town Workshop



Group 1:

- A **linear green spine** could be a major park and attraction for Orbit, combining movement routes and amenity spaces. This could follow the radial layout or be a linear spine connecting East and West of the site.
- This linear park could be intended like a 'river' or a green transport corridor that connects the different centres and districts of Orbit.
- Consideration should be given at how to connect this green spine to the Lake, and at how to turn major woodland areas as public parks.

Group 2:

 Explore 'orbital' public route - culture route installed as an early destination and linked to public functions.

'Virtual' Group 2:

• Linear parks, as linear connections, leading to larger parks are proposed ideas. E.g., downtown pubs in Europe are connected by parks. linear connections are also gateway opportunities to an experience. E.g., forest, lake, skiing, greenspace, trees, etc.

Site Parameters and Initial Population Estimates

OPIP Study Area





What is a Secondary Plan?

A **Secondary Plan** provides detailed objectives and policies for a specific area, related to topics such as:

•Growth •Housing	Provincial Policy Statement (2020)		
Economic DevelopmentParks and Open Space	Region Official Plan		
TransportationHeritageUrban Design	Town Official Plan		
•Infrastructure	Secondary Plans		
	Subdivision Control Zoning By-law Site Plan Control		
	Regulatory Instruments		

The Planning Act

What is a Master Servicing Plan?

- The Master Servicing Plan will determine the preferred servicing strategies (water, wastewater, stormwater and mobility) required for the OPIP Secondary Plan Area.
- The study will be undertaken in consultation with regulatory agencies, Indigenous Communities, affected stakeholders and the public.



Natural Environment



Assumptions

- Evaluated wetlands are protected ٠ under provincial policy and no development is permitted
- Environmental features are to ٠ be confirmed by future technical studies
- Development is subject to ٠ future environmental assessment and appropriate mitigation measures





Assumptions

- Development is only permitted in natural environmental areas when it can be demonstrated that there will be no negative impacts on the natural heritage features or ecological function
- Development may be permitted within the Official Plan Natural Heritage System and LSRCA regulated area subject to future studies







Developable Zones





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Heights and Densities



TOC 1

Minimum Density: 200 dwelling units per ha

Heights: 6 – 40 storeys

TOC 2

Minimum Density: 150 dwelling units per ha

Heights: 4 – 15 storeys; 25 storeys if fronting onto 6th Line.

Detailed planning in later stages will determine where heights and densities are allocated within each area and lands outside MZO.





Planning Policy

Population estimates by area

- Minimum densities from MZO correspond to minimum populations for TOC 1, 2 and 3
- Realized populations will depend on site constraints, market demand and planning policies, among other factors



Implementing the Vision Key Concepts

Implementing the Vision





Building Communities



Districts. character and local centers

Major challenge for new developments: *achieving a sense of place and community.*

How do we provide variety and diversity in urban space to activate the streetscape and attract diverse users and communities?

A greater variety of public spaces and characters could be provided at Orbit - for communities to build upon

Orbit could offer different districts and characters:

each district could provide primary facilities to its neighborhood, as well as having its own vocation, so that residents and visitors can move within each area and enjoy a great and diverse offer of public spaces and uses.

- Local centers with community facilities
- Shared facilities between neighboring communities
- Stations

Homes: ensuring an inclusive mix

Aspirations:

Attracting young people and diversifying age group

Ensuring mix of individuals and families from all socio economic backgrounds

Project Exploration:

- Ensure an inclusive mix of home typologies: Apartment living through to Retirement Homes, ensuring a 'lifetime-living' offer; mindful of current Innisfil housing stock, current demographic and Vision population objectives;

- Initial development density/FAR (Floor Area Ratio) testing to explore population targets against 'livable' neighbourhoods and city placemaking;

- Develop a strategy of homes typologies which would be attractive to the market, across various scales of delivery partners;

- Consider 'alternative' delivery models such as self-build, co-living;

- Phased delivery which aligns to social infrastructure *provision* (schools, health, leisure, open space etc.)



Low rise apartments with semi-private open space





Town houses with communal gardens



Co-living/retirement homes



Jobs: economic growth and activation

Assumptions:

Inclusive employment target numbers to be in the range of 2:1(MN) to 5:1(Draft MZO) residents : jobs

Project Exploration:

- *Trends and Disruptors* Covid 19 influence on Work from Home scenarios
- *Test scenarios* based on employment types, job densities and land take requirements, placemaking and inclusivity as anchors:
- o Traditional 'Grade A' through to flexible co-working
- Manufacturing/Light Industry/Last Mile Logistics
- Work opportunities within local service offer (tourism, culture/attractions, retail, education, health, professional services, agriculture, etc.
- Opportunities for Further/Higher Education establishments and associated Industry Partners collaboration/innovation







Community Infrastructure: providing services to local communities

Project Exploration:

- 'Walkable Neighborhood' Community Infrastructure provision within your local area
- 'Placemaking functions' to be shared between neighborhoods / characterizing districts
- Impacts on phased delivery and activation across the MTSA





Services

Local medical practice, preschool, elementary school, local shops, community center...

Public open and green spaces

Sports pitches, playgrounds, communal gardens, 'village' greens, pocket parks...



Community infrastructure: creating a dynamic center for residents and visitors



Destinations and attractors Further/higher education, hospital, religious institution, theatre, gallery, museum, retail hub...



Public open and green spaces

Major 'urban' park, events space, civic squares...



Development Growth Models





Build out around the edge of the MZO delivered phases



MOSHAV CITIES - RICHARD KAUFFMANN



Arterial



Polycentric Independent centers/districts linked by movement corridors









Develop along transport corridors radiating from the 'central focus'

Future Mobility ORBIT and the Car

Assumptions

- Vehicles, both public and private, will electrify over the coming two decades, reducing social pressure to eliminate cars
- The present built form of Innisfil's surrounding areas and the GTA mean there will still be some role for point-to-point car travel, and ORBIT will have to accommodate that role
- ORBIT's choices in built form will facilitate residents' approach to car use in the future

Options

ORBIT's built form could aim to accommodate:

- 1) No privately-held vehicles, like Culdesac in Arizona; residents would rely on micromobility, ridehail, carshare, and transit for their mobility needs
- 2) Single-vehicle households, like The Point in Utah; residents would balance private vehicle use with other modes
- 3) Traditional *multi-vehicle* households, as predominates in Ontario
- The decision on which built form to accommodate must be made early as it has many downstream effects; parking is expensive to build and precludes other uses.











- 1. Local trips predominate; regional trips are important
- 2. AV taxis or minibus are plentiful
- 3. Mobility as a Service (MaaS)
- 4. Acknowledge mobility transition







Future Mobility

Don't Pick the Winner; Build the Podium

Fortunately, while ORBIT *does* need to take a strong early position on how to accommodate automobiles, ORBIT does *not* need to make a strong bet on what future mobility will be like. It can instead build the spine upon which all these visions depend and will be poised for success no matter what happens.

Elements common to all these scenarios, and which ORBIT should certainly feature, are as follows:

- Ubiquitous, high-quality, wide, pedestrian pathways and linear parks that connect every parcel

- Ubiquitous, high-quality, segregated low-speed rights-of-way, for bikes, scooters, robots, and more (but not pedestrians and not automobiles)

- Access roads for automobiles, but designed for Vision Zero:

- Narrow
- Curved
- Local-access only (no through travel)



Typical high-quality pedestrian infrastructure



Implementing Sustainability Principles

Considerations

- Goal setting and the preparation of municipal planning documents can **establish a framework for achieving sustainability targets**
- Orbit Vision and MZO process established Sustainability Principles to be reflected in future policies
- Town's existing **Official Plan** established policies for future implementation through a **Sustainability Checklist**
- Orbit offers the opportunity to embed sustainability though the principles and Orbit specific checklist.
- Flexibility is key to encourage development to embrace sustainability and contribute to Town wide goals.
- Draft **Orbit Sustainable Development Plan and Checklist** is to create a framework with existing sustainability measures and third-party certification processes to minimize duplication.
- Draft document being released on June 22 with Council consideration on August 10, 2022.
- Engagement period with stakeholders during this time.

Sustainable Considerations

- Renewable energy
- Green belts and multi-functional green spaces (including watercourse corridors)
- Conservation and restoration of natural features (streams, wetlands)
- Building design for reduced energy use
- Water conservation









Design Development



Green infrastructure - Integrating the rail park concept

Rail park (Partisan's scheme)



For example...

15-minute walking 'cities'





Note: the polycentric concept is maintained through the satellite 'centers' and land use - not through the base grid



Area organisational models



Sajecki > Planning



Radial



- "Orbital" green spine with access to civic/public functions
- Green spine could act as main movement corridor for active travel and public transport

Arterial



Model 1 - Linear centres pedestian / active travel and public transport only?



Model 2 (variation) - 'high street' vehicular linear centre separated from park

Dispersed



- Linear green spine connecting to satellite centers and green spaces
- Green spine could have more of a 'trail' / feel rather – for pedestrians and bikes
- Different centers and 'villages' independent from one another

Discussion and Q&A

- What excites you about the Orbit Vision?
- What would you like to see in your neighbourhood?
- What do you think will work for Orbit in terms of built form (building configuration, shapes, types)?
- What do you see as a challenge when developing the Secondary Plan?
- What are your longer-term aspirations for your property?
- What thoughts do you have, what would you like us to understand or know so we can consider these as we move forward with this planning exercise?

What's Next



Upcoming Milestones and Activities ij i December November Early January Council 2022 2022 2023 Summer Adoption of 2022 Public Present Public SP/MSP Engagement SP/MSP Review of Indigenous & Meeting **Touchpoints** to Council SP/MSP Community Engagement WINTER 2023 SPRING 2022 Project Background Preliminary **Milestones** Studies Preferred Draft Final OPIP Solution Commence December March-April August rbit 2022 2022 2022 Option Testing Preferred \bigcirc & Layout Solution Development (SP) Selection June-August November 2022 2022 ÷ Engage focus groups Continue background studies Progress option testing Sajecki→ WestonWilliamson+Partners HATCH

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Plánning

Anticipated field work









Road



Not Provincially Significant or Unevaluated Wetland





Feedback Survey



