INFORMATION SESSION HOUSEKEEPING

The purpose of this session:
• Overview of the project
• Core Infrastructure breakdown
• Opportunities for input

Township staff will be monitoring:
• InfrastructureMasterPlan@loyalist.ca
• Zoom Chat Box
• Social Media (Facebook, Twitter)
AGENDA

- Project Scope
  - Municipal Class Environmental Assessment
- What is a Master Plan?
- Preliminary Workplan
  - Amherstview West
- Timeline & Milestones
- Contact
PROJECT SCOPE

What’s included?
Core Infrastructure:
- Water
- Sanitary
- Storm
- Transportation

What’s not included?
- Parks and sports fields
- Township facilities
- Buildings/sites covered by the Planning Act
- Rural Roads improvements and drainage
- Transit
- Waste management
EXAMPLES OF WHAT’S INCLUDED IN THE IMP

- Traffic calming needs
- Neighbourhood drainage and remedial water quality concerns
- Extension of sidewalk system and active transportation (trails, bike paths)
- Need for more streetlights
- Intersection improvements is limited to improvements required by growth, and identified safety issues
- Remedial issues
- Detailed review of potable water and wastewater needs
EXAMPLES OF WHAT IS NOT INCLUDED IN THE IMP

- Township facilities and recreation
- Rural road drainage
- Public transit
- Waste management
- Resurfacing roads
- Life cycle watermain and sewer replacements
- Individual home drainage problems
Asset renewal projects will not normally be included in the Infrastructure Master Plan.
Municipal Class Environmental Assessment

Environmental Assessment Act

Municipal Class EA explained
EA Planning Steps Chart

The Master Plan includes phases 1 and 2 of this process, at a minimum.
WHAT IS LOYALIST’S MASTER PLAN?

- WATER
- STORMWATER (DRAINAGE)
- SANITARY
- TRANSPORTATION
THE IMP IS DRIVEN BY FIVE THEMES

GROWTH
REMEDIAL
REGULATORY
TECHNOLOGY
CLIMATE CHANGE
GOALS OF IMP & IMP PROCESS

- PROJECT LIST
- PROJECT TIMING
- PROJECT COSTS
- PROJECT FUNDING
## TOWNSHIP GROWTH STUDY RESULTS

<table>
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<th>2016 Census</th>
<th>2046 Estimates</th>
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<tr>
<td></td>
<td>2016</td>
<td>Low</td>
</tr>
<tr>
<td>Population</td>
<td>17390</td>
<td>18320</td>
</tr>
<tr>
<td>Households</td>
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<tr>
<td>Employment</td>
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<td>4960</td>
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Source: Hemson Consulting Report September 2018
WORK COMPLETED TO DATE

- DEVELOP MANAGEMENT TEAM
- DEVELOP DRAFT SCOPE DOCUMENT
- MECP MASTERPLAN PRE-CONSULTATION
- DEVELOPMENT OF AN INITIAL LIST OF PROJECTS
CHECK IN POINT

Raise your hand  
Zoom Chat Box  
infrastructuremasterplan@loyalist.ca
REVIEWING MASTER PLAN TASKS

ENVIRONMENTAL ASSESSMENT
WATER
STORMWATER (DRAINAGE)
SANITARY
TRANSPORTATION
MISCELLANEOUS
ENVIRONMENTAL ASSESSMENT TASKS
ENVIRONMENTAL ASSESSMENT TASKS

- Notice of Commencement
- Broad public and agency engagement
- Technical review
- Inventory of environment
  - Natural, social, and economic
  - Including climate change factors
- Identify impacts
  - Mitigation measures
- Draft report
- Notice of Completion
  - Public review and comment
- Final report
PUBLIC & AGENCY ENGAGEMENT

We Want to Hear From You!

Engagement process developed to encourage interaction with:

- Indigenous community
- Residents and businesses
- Local property developers and home builders
- Community and government agencies

Photo Credit – Jack Tome
DISCUSSION: ENVIRONMENTAL ASSESSMENT TASKS

- Raise your hand
- Zoom Chat Box
- infrastructuremasterplan@loyalist.ca
WATER TASKS

- Look at factors affecting long term capacity needs:
  - Growth
  - Changing demographics
  - Variable consumption
    - Over time and by system
  - System-wide considerations, including water loss rate
WATER TASKS

- Evaluate future community pipe and storage component needs
- Identify any system constraints or weaknesses
- Review appropriate use of pressure zones in the Bath system
- Review technological, regulatory and climate change impacts
- Determine most appropriate trunk watermain connections to future development lands
PRELIMINARY WATER PROJECTS UNDER CONSIDERATION

- Potential expansion of treatment capacity at Bath Water Treatment Plant and Fairfield (Amherstview and Odessa) Water Treatment Plant
- Confirmation of storage needs – expansion location(s) to be determined
- New pressure reducing station – Bath, change in pressure zones – Bath community
- Trunk watermain connections to future development lands
SANITARY TASKS

- Look at factors affecting long-term capacity needs:
  - Growth
  - Changing demographics
  - Variable consumption
    - Over time and by system
  - System wide considerations, including inflow and infiltration rates
SANITARY TASKS

- Evaluate future community pipe and pumping station component needs
- Identify any system constraints or weaknesses
- Review technological, regulatory and climate change impacts
- Evaluation of how best to service the future development lands
PRELIMINARY SANITARY PROJECTS
UNDER CONSIDERATION

- Expansion of treatment capacity at the Amherstview Water Pollution Control Plant
- Determine rehabilitation or expansion needs at Bath Wastewater Treatment Plant
- Conveyance of sewage from south end of Amherstview West Secondary Plan area
- Trunk sewer servicing of the Amherstview West Secondary Plan area
- Potential capacity upgrades at Lakeview Sewage Pumping Station Amherstview
DISCUSSION: SANITARY TASKS

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TRANSPORTATION TASKS
TRANSPORTATION TASKS

- Review of sidewalk connectivity throughout urban neighbourhood
- Measuring the desire for more active transportation opportunities within Loyalist, i.e. multi-use trails, bike lanes, rural and urban routes and inter community connectivity
- Gauge the desire for traffic calming and intersection upgrades
- Review of roads and intersections which will reach capacity within duration of study.
TRANSPORTATION TASKS

- Technological changes
- Growth
- Lennox and Addington County – Transportation
- Regulatory
- Review impact of end loading docks on Amherst Island Roads
- Equipment storage and maintenance housing
- Climate change impacts
PRELIMINARY TRANSPORTATION PROJECTS UNDER CONSIDERATION

Road Improvements:
- Urbanization – Main St., Bath – Fairfield, to eastern limit Village of Bath
- Bridge St., Cross St., Battery St., South St.; and west St. Odessa
- Emma St., Odessa
- Front Road – Stella
- Main St. Odessa
- Potter Drive – new development north to Main St.
- Amherst Drive – Speers Blvd. to County Road 6

Roads Maintenance Facility:
- Expansion of County Road 6 Maintenance and Winter Sand/Salt Storage Facility
- New Snow Dump/Storage Facility

Intersection Improvements:
- Windemere Blvd. @ Main St. Bath
- Speers Blvd. @ Amherst Drive
DISCUSSION: TRANSPORTATION TASKS

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STORMWATER (DRAINAGE) TASKS
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Storm drainage standards were historically not uniform throughout Township. Combined with regulatory change stormwater needs provides a unique challenge to the Township.

- Review growth demands
- Identify remedial needs for stormwater
- Assess stormwater management systems for climate change impact
STORMWATER (DRAINAGE) TASKS

- Source water protection
- Low impact development
- Retrofitting to meet current environmental standards as well as potential regulatory changes
PRELIMINARY STORMWATER (DRAINAGE) PROJECTS UNDER CONSIDERATION

- Amherstview West Secondary Plan – determine outlets for drainage and requirements for adjacent County Road 6 corridor
- Urban Stormwater Management Facilities – review systems for resiliency regarding climate change
- Parkside Stormwater Facility – review outlet
- Creighton Drive/South St./Potter Drive in Odessa – remedial drainage improvements
- Main St. Bath urbanization
DISCUSSION: STORMWATER (DRAINAGE) TASKS

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MISCELLANEOUS TASKS
MISCELLANEOUS TASKS

The initial list of projects considered under Miscellaneous Tasks includes tasks that may arise through the review of:

- Official Plans
- Infrastructure Planning and Budget Documentation
- Analysis of Future Growth Projections Study
- Resilient Loyalist Township Climate Action Plan
- Recreation Master Plan
- Asset Management Plan
MISCELLANEOUS TASKS

- Provincial On-Site and Excess Soil Management Regulation
- Promote natural asset recognition in Loyalist Township
- Review the feasibility of providing servicing to heavy industrial zoned lands – Taylor Kidd Industrial Park
- Snow Storage and disposal
DISCUSSION: MISCELLANEOUS TASKS

- Raise your hand
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LINK TO SECONDARY PLAN AREA
TIMELINE & MILESTONES

- **2020**
  - Background Work
  - Commence Technical Review

- **Spring/Summer 2021**
  - Notice of Commencement
  - Agency & Public Engagement

- **Fall/Winter 2021**
  - Complete Technical Review
  - Continue Engagement

- **Spring/Summer 2022**
  - Finalize Report
  - Notice of Completion
FINAL THOUGHTS

Raise your hand
Zoom Chat Box
infrastructuremasterplan@loyalist.ca
STAY INVOLVED

Sign up for Infrastructure Master Plan Email List

Provide Comments & Engage with the Project Team

Watch for Participation Opportunities (Surveys and Meetings)
THANK YOU

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