



# BRUCE COUNTY MASTER TRANSPORTATION PLAN (MTP)

ONLINE PUBLIC INFORMATION CENTRE #2

FRIDAY APRIL 30, 2021



# Project Management Team



**Miguel Pelletier**  
Project Manager  
Bruce County

- Miguel Pelletier, P. Eng.
- Director, Transportation and Environmental Services, Bruce County
- County Project Manager



**Ray Bacquie**  
Consultant Project Manager  
R.J. Burnside and Associates

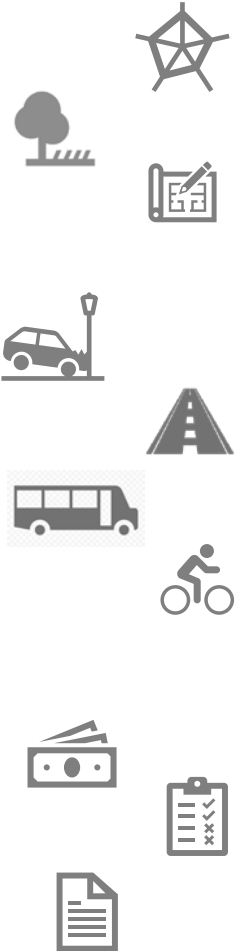
- Ray Bacquie, P.Eng., MBA
- Sr. VP, Transportation Planning and Engineering, R.J. Burnside & Associates
- Consultant Project Manager

# Presentation Overview

- Work to Date
- Description of Projects for Alternative Strategies
  - Alternative 0: Do Nothing (Maintain System)
  - Alternative 1: Road Focused Strategy
  - Alternative 2: Transit Focused Strategy
  - Alternative 3: Active Transportation Focused Strategy
  - Alternative 4: Combined Transportation Plan
- Preliminary Costing
- Evaluation of Alternative Strategies
- Consultation and Next Steps

# Work to Date

- Study Context
  - Transportation System Inventory
  - Natural Heritage Environmental Scan
  - Official Plan Objectives and Growth Projections
- Transportation Needs and Opportunities
  - County Road Safety and Operational Needs and Opportunities
  - Road and Bridge Capacity Needs and Opportunities
  - Transit Needs and Opportunities
  - Active Transportation Needs and Opportunities
- Development and Evaluation of Alternative Strategies
  - Identification of Projects and Project Costing
  - Preliminary Evaluation of Alternatives
  - Draft of Policies



## Official Plan Update Coordination

The Bruce MTP has considered the findings of Bruce County Service Delivery Review, specifically the following recommendations:

- “A stronger role for the County in planning for, implementing, and maintaining a regional transportation network.”
- “The County should consider adopting policies in its official plan that would establish a mobility-based transportation plan which includes transit and active transportation.”
- “Consider implementation of “steps” to a transit network as Innisfil has done.”
- “Ensure provisions exist in the new official plan to support more efficient use of existing transportation resources.”
- “The County should consider active transportation corridors as a means of linking communities and settlement areas together while providing alternatives to private vehicle use.”
- “The new official plan should put in place some of the land use building blocks required for the county to one day implement a transit system.”

# Summary of Alternative Strategies

TRANSPORTATION INITIATIVES	Alternative 0: Maintain County Road System "Do Nothing Scenario"	Alternative 1: Improve County Roads and Support other Modes	Alternative 2: Improve County Roads and Develop Transit and TDM Services	Alternative 3: Improve County Roads and Develop Active Transportation	Alternative 4: Combined Multi-modal Transportation Strategy
<b>Road Network</b>					
Propose Provincial Highway Improvements		✓	✓	✓	✓
County Road & Bridge Maintenance	✓	✓	✓	✓	✓
County Road Safety	✓	✓	✓	✓	✓
County Road Speed Management	✓	✓	✓	✓	✓
County Intersection Improvements		✓	✓	✓	✓
County Road & Bridge Widening		✓	✓	✓	✓
<b>Transit and TDM Services</b>					
Support: Report / Promote Service by Others		✓	✓	✓	✓
Support: Establish Ride-hail Regulations			✓		✓
Support: Establish Transit / TDM Web Portal			✓		✓
TDM: Fund TDM Service Providers			✓		✓
TDM: Establish County TDM Program			✓		
Specialized Transit: Coordinate Services			✓		✓
Specialized Transit: Establish County Service			✓		
Scheduled Transit: Establish Partnerships			✓		✓
Scheduled Transit: Establish County Routes			✓		✓
<b>Active Transportation</b>					
Maintain County Trail System	✓	✓	✓	✓	✓
Plan and Implement New County Trails		✓	✓	✓	
Cycling Connections in Urban Areas		✓	✓	✓	✓
Pedestrian Space / Crossings in Urban Areas				✓	✓
Shoulder Bike Route Links on County Roads				✓	✓
Continuous Shoulder Bike Route				✓	✓

# Alt. 0: Do Nothing (Maintain System)

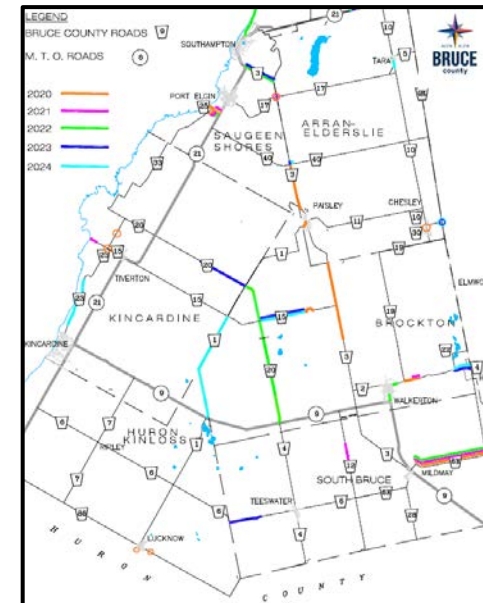
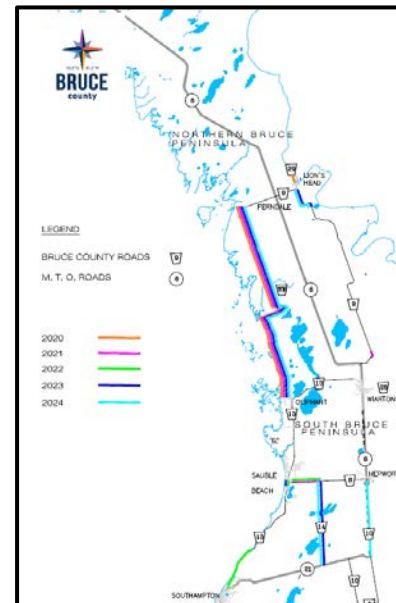
## Traffic Safety Improvements

- High Collision locations: Mitigate animal collisions
- Access Guidelines: Manage future development impact
- Proactively Address Safety: Monitoring Program



## Road Reconstruction and Maintenance

- Planned Reconstruction Plan
  - West Road north of CR 13
  - CR 33 realignment to CR 25
  - CR 10 / G-B Line (with Grey County)
  - Other capital improvements
- Other Needs
  - CR 33 west of Highway 21
  - CR 19 east of Sideroad 15 S.
  - CR 10 north of CR 40



# Alt. 0: Do Nothing (Maintain System)

## Bridge Improvement and Rationalization

- Bridge improvements
  - Teeswater River Bridge (Paisley)
  - Durham Street Bridge (East of Walkerton)
- Review County Role for Bridges on local roads
  - 12<sup>th</sup> of Brant Bridge
  - Dudgeon Bridge
  - Hay's Bridge
  - Arran Township Shed Bridge (Invermay)

## Local roads under jurisdictional review

- Concession 6 Arran S of Tara
- Concession 4 Elderslie (CR 11 to G-B Line)





# Alt. 0: Do Nothing (Maintain System)

## Traffic Operations Reviews and Improvements

- Complete an operational review or study
- Improvements: geometry, parking, markings, signage
  - County Road 3 at Highway 21
  - County Road 3 at County Road 17 (Burgoyne)
  - County Road 4 at County Road 19
  - County Road 6 at County Road 1 (Holyrood)
  - County Road 6 at County Road 7 (Ripley)
  - County Road 8 at County Road 13 (Sauble Beach)
  - County Road 10 at Grey-Bruce Line
  - County Road 13 at Highway 21
  - County Road 13 at Ottawa Ave
  - County Road 15 at Lake Street
  - County Road 20 at Highway 21

**CR 8 / CR 13 (Sauble Beach)**



**CR 6 / CR 1 (Holyrood)**



# Alt. 1: Road Focus (Promote Transit / AT)

Traffic Safety Improvements

Road and Bridge Maintenance

Traffic Operations Improvements

AND

Road and Bridge Capacity Improvements

- Highway 21
  - Kincardine
  - Southampton-Port Elgin
- County Roads
  - CR 3 (CR 11 to Church St): Widen road & bridge
  - CR 4 (Elgin St to Durham Bridge): Add turn lanes
  - CR 4 (Durham Br to Ontario Road): Widen road & bridge
  - CR 8 (Lakeland Dr to Municipal Rd): Widen road
  - CR 20 (Hwy 21 to CR 13): Widen road



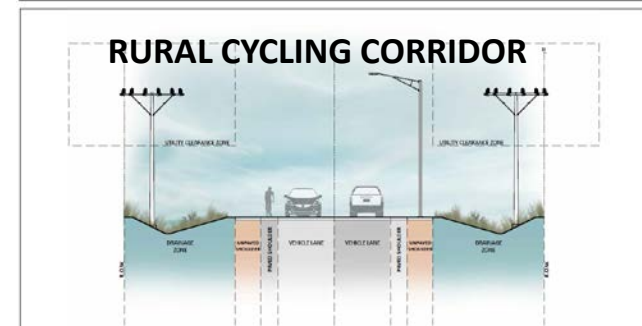
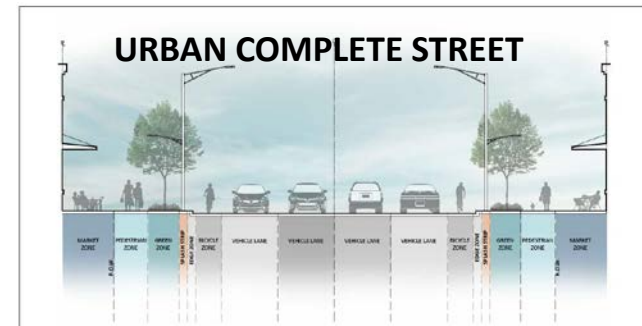
# Alt. 1: Road Focus (Promote Transit / AT)

## Speed Management (Calming)

- Apply current policies (Traffic Calming Measures, Rumble Strips, Speed Zones)
- Traffic calming features be considered at the following locations
  - CR 9 east of Highway 6 (Colpoys Bay)
  - CR12 S of Concession Road 12 (Formosa)
  - CR 17 at Sideroad 15 (Arkwright)
  - CR 17 at CR 27 (Invermay)
  - CR 28 south of Highway 9 (Mildmay)

## Support of other modes

- Complete Streets Design Guidelines
  - 5 Typologies – Urban and rural cycling concepts
- Promote transit and active transportation
  - Subcommittee for reporting and monitoring service
  - Promote use of SMART and Movin'GB transit providers
  - Introduce Ride-Hail policies



## Alt. 2: Transit & TDM Focus

Traffic Safety Improvements

Road and Bridge Maintenance

Traffic Operations Improvements

Road Capacity Improvements

AND

Partner on Cost-Feasible Scheduled Transit

- Route A: Extend Grey Route 5 to Sauble Beach
- Route B: Owen Sound to Port Elgin
- Route C: Kincardine to Southampton
- Route D: Extend Grey Route 6 to Kincardine

Fund On-Demand Transit

- Fund SMART for local municipalities OR
- Fund / Manage On-demand service in Bruce



## Alt. 3: Active Transportation Focus

Traffic Safety Improvements

Road and Bridge Maintenance

Traffic Operations Improvements

Road Capacity Improvements

AND

New County Trails

Connected Shoulder Bike Route

- CR 9 Lion's Head to Wiarton
- CR 13 Wiarton through Sauble Beach
- CR 8 Hepworth to Sauble Beach
- CR 13 through Sauble Beach to Southampton
- CR 23 Inverhuron to Kincardine
- CR 1 and CR 15 loop (Paisley to Glammis)



# Alt. 4: Combined Transportation Plan

Traffic Safety Improvements

Road and Bridge Maintenance

Traffic Operations Improvements

Road Capacity Improvements

Most Cost Feasible Alternative Mode Solutions

- Cost Feasible Scheduled Transit with Funding Partners
- Fund On-Demand Transit
- Connected Shoulder Bike Routes  
(coordinated with road construction)





# Preliminary Cost Assessment

## SERVICES

## AVERAGE ANNUAL (15 years)

Road and Bridge Maintenance

*As Per Maintenance Plan*

Traffic Safety Improvements

\$ 50,000 to \$ 100,000

Traffic Operations Improvements

\$ 300,000 to \$ 500,000

Road and Bridge Widening

\$1,500,000 to \$2,500,000

Transit Solutions

- Partner on scheduled routes
- Fund on-demand transit
- Operate on-demand transit

\$ 200,000 to \$ 600,000

	\$ 600,000	OR
	\$ 800,000 to \$1,500,000	

Active Transportation Solutions

- Select shoulder bike links
- Connected shoulder bike route

	\$ 200,000 to \$ 400,000	OR
	\$ 600,000 to \$1,000,000	



# Evaluation of Alternative Solutions

Evaluation Criteria	Alternative 0: Maintain County Road System "Do Nothing"	Alternative 1: Improve County Roads and Support other Travel Modes	Alternative 2: Improve County Roads and Develop Transit and TDM	Alternative 3: Improve County Roads and Develop Active Transportation	Alternative 4: Combined Multi-Modal Strategy
<b>Transportation Service</b> - Road Connectivity - Transit Accessibility / Mobility Choice - Active Transportation Accommodation					
<b>Natural Environment</b> - Impacts to Designated Natural Areas - Impacts to Source Water Features - Terrestrial and Aquatic Environment					
<b>Socio-Economic / Cultural Environment</b> - Supports Community & Healthy Living - Supports Development/Economic Goals - Archaeological/Heritage Feature Impact					
<b>Financial Sustainability</b> - Capital Costs (net of funding) - Operating Costs (net of funding) - Revenue Potential / Cost Savings					
<b>OVERALL ASSESSMENT</b>					
<b>Ranking Order of Preference:</b>	Least Preferred    to    Most Preferred				
	○    ◐    ◑    ◒    ●				



# Consultation and Next Steps

- Public Consultation to Date

- Notice of Commencement to agencies and the public
- Public Information Centre #1 – September 2020
- Public Survey / Comment Sheets – October 2020
- Meetings with Area Municipalities – December 2020
- TES Committee Presentation – January 2021



- Next Steps

- Public Information Centre #2 Comments – April 30<sup>th</sup> 2021
- Develop Implementation Plan and Transit Partnerships – May 2021
- Prepare draft Master Transportation Plan – May 2021
- TES Committee / Council Presentation – Spring 2021



# Questions

Your comments are important. They will be reviewed as part of the study process.

Please feel free to contact a Study Team Member, submit a comment form, or email/call us at:

**Miguel Pelletier, P. Eng.**

Director, Transportation and Environmental Services, Bruce County

30 Park St.

Walkerton, Ontario N0G 2V0

Tel: 519-881-2400

Email: [mpelletier@brucecounty.on.ca](mailto:mpelletier@brucecounty.on.ca)

**Ray Bacquie, P. Eng.**

Project Manager

R.J. Burnside and Associates

6990 Creditview Road, Unit 2 Mississauga,

ON L5N 8R9

Tel: 905-821-5891

Email: [Ray.Bacquie@rjburnside.com](mailto:Ray.Bacquie@rjburnside.com)