





Guiding Principles

- Develop a network from the core out
- Proactively engage public and key stakeholders



Commit to a staged decision making process

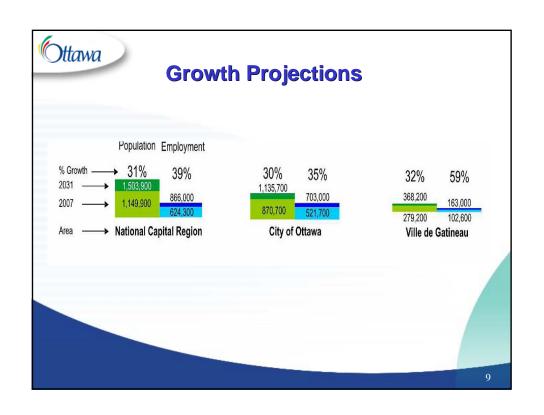
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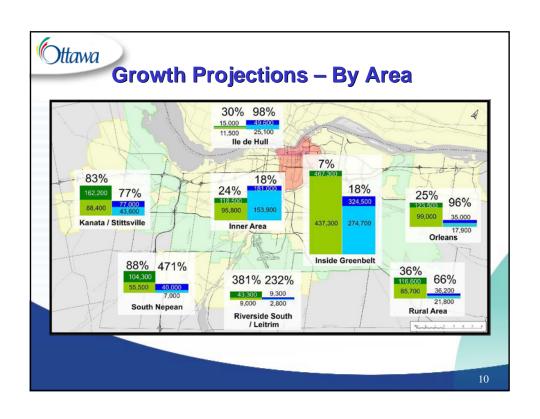


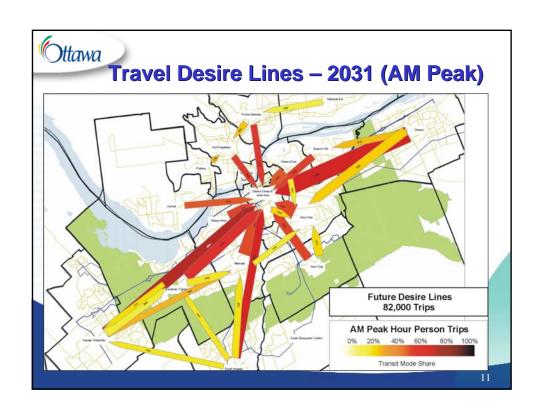
Background Tools



- Growth Forecasts
- 2005 Origin-Destination Survey
- 2006 Commercial Vehicle Survey
- 2007 Upgraded TRANS model











What we Considered

- Surface-Only Option
- Not feasible in the planning period due to:
 - High volume of vehicles required
 - Growth capacity issues
 - Creates conflict between trains and access points (for LRT)



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What we Considered

- Elevated Grade-Separated Option
- Not feasible due to:
 - Narrow street widths
 - Visual obstruction
 - Station access
 - Vibration concerns

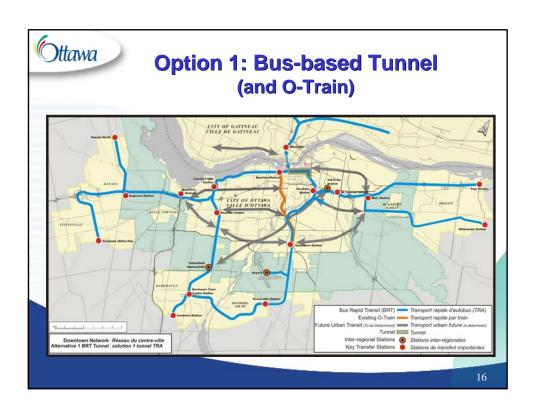




Tunnel Option

Tunnel

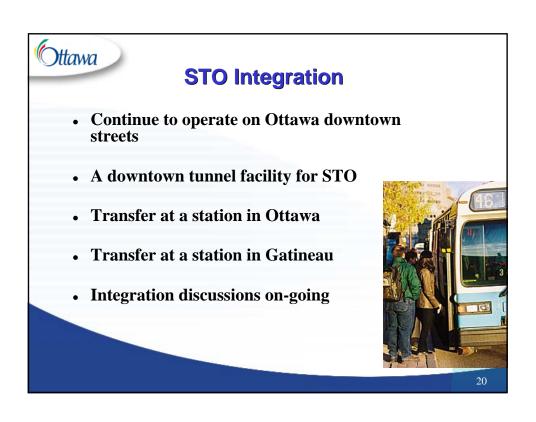
- Ensures reliable service (removes transit bottleneck in the downtown)
- Supports achievement of 30% transit modal split target
- Catalyst for development
- Improves surface environment
- Four options unveiled March 3



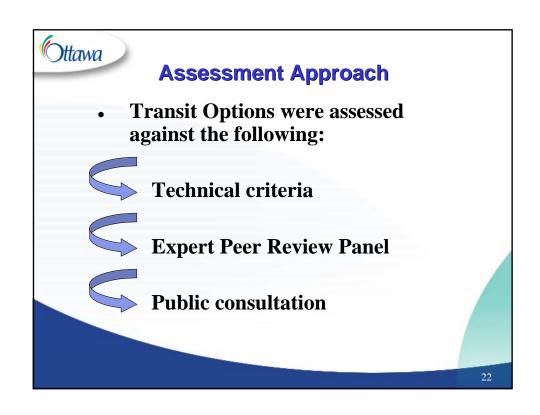














Technical Evaluation

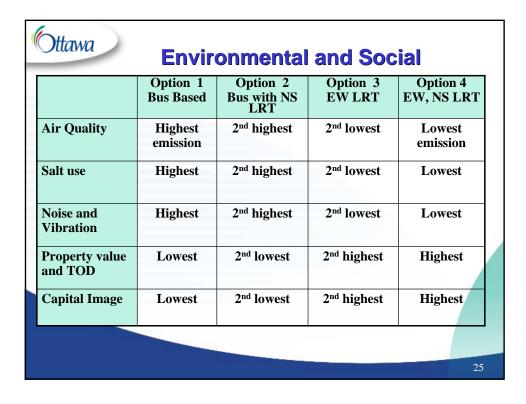
- Ridership and reliability
- Environmental and social criteria
- Capital and operating costs

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Ridership and Reliability

	Option 1 Bus Based	Option 2 Bus with NS LRT	Option 3 EW LRT	Option 4 EW, NS LRT
Ridership	Base	2% more	7% more	9% more
Demand By 2031	Can accommodate (at theoretical capacity)	Can accommodate (Close to theoretical capacity)	Can accommodate	Can accommodate
Demand beyond 2031	Cannot accommodate	Can accommodate (Minimum room)	Can accommodate	Can accommodate
Reliability Issues	Reduced reliability	Reduced reliability	Operates well	Operates well



	Option 1 Bus Based	Option 2 Bus with NS LRT	Option 3 EW LRT	Option 4 EW, NS LRT
Capital Cost	3.55	4.20	3.57	4.03
Operating Cost/year	.485	.472	.453	.434



Capital Cost Breakdown (\$ Billions)

	Option 1	Option 2	Option 3	Option 4
	BRT	BRT-LRT	LRT	LRT
	(O-Train)	(N-S)	(O-Train, E,W)	(E,W, N-S)
Baseline to Blair (including tunnel)	0.85	1.12	1.00	1.00
North – South (Bayview to Bowesville)	0.10	0.44	0.10	0.44
Other Transitway (East–South–West)	0.90	0.90	0.90	0.90
Maintenance Facilities	0.30	0.34	0.22	0.32
Sub-Total (infrastructure)	2.15	2.80	2.20	2.66
Vehicles	1.40	1.40	1.35	1.37
Total	3.55	4.20	3.57	4.03

Notes:

Estimates are in 2008 dollars.

Cost estimates are subject to verification through EA studies. Estimates do not include costs for Gatineau solutions.

Vehicle costs are estimated over 30 years.

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Technical Evaluation

- Option 4 offers the greatest benefit and value to the City:
 - Lowest annual operating costs
 - Lowest emission
 - Highest potential for increased ridership
 - Capacity for growth beyond 2031
 - Most direct rail connections between key destinations
 - The best overall image of the city as a world capital



Expert Peer Review

- Respected professionals with decades of transit and urban planning experience
 - Paul Bedford (Paul Bedford & Associates, Toronto, Ontario)
 - Russell Chisholm (Transportation Management and Design, Inc., San Diego, California)
 - Alan Danaher (Kittelson & Associates, Orlando, Florida)
 - Alan Jones (Steer Davies Gleave, London, UK)
 - Glen Leicester (Shirocca Consulting, Vancouver, BC)
- Completed technical review of the proposed rapid transit vision

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Public and Agency Consultations

- Objective: Obtain feedback on transit options
- **Completed:** March 3 31
- Who we heard from:
 - Open Houses almost 400
 - Mayor Streeter Surveys nearly 500
 - 1,200 total written submissions
 - Almost 10,500 hits to the transit portion of Ottawa.ca



Consultation Trends

- Strong support for the downtown tunnel
- Majority support for Option 4
- Some support for Option 3
- Virtually no support for Options 1 and 2
- Preference for LRT throughout City
- Prudent investment for long term

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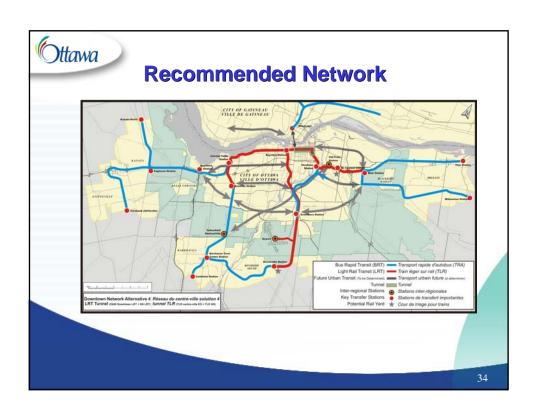


Consultations - Areas of Interest

- Extension of LRT Service
- Use of Rail Corridor
- Interprovincial Integration
- Urban Design
- Amenities in Stations

- Environmental Impacts
- Social, Mobility and Accessibility Impacts
- Economic and Financial Implications
- Technology Choice
- Construction Phasing











Popular Support

"It is the best option environmentally. It is the option that will likely attract the greatest ridership. It is the option that has the best chance of encouraging the public to leave their personal vehicles at home."

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Popular Support

"It is fast, convenient, and forward thinking. It also offers logical intensification growth opportunities along its corridors and giving sound argument for the protection and preservation of the city's natural heritage lands."









How Soon?

- How fast the system is built or extended will depend on:
 - Actual population growth
 - Availability of funding
 - Innovative funding strategies
- Interim solutions will be investigated



Recommended Phasing Criteria

- Ridership
- Status of planning work
- Ease of implementation
- Logical sequencing
- Opportunities to implement interim solutions/staging options
- Affordability

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Timetable for Action

	Date	Activity		
	March 3	Release of Downtown Rapid Transit Network Options		
	March 3 - 31	Agency and Public Consultations on Options		
	April 16	Tabling of Recommended Downtown Rapid Transit Option at joint Transit and Transportation Committee and Peer Review comments		
	Apr 16 – May 7	Public Consultation on Recommended Option		
	May 21	Consideration by Joint Transit/Transportation Committee of Recommended Option with public feedback		
	May 28	Decision on Recommended Option		
	May - Oct	Phasing plan, secondary corridors, costs, policies, roads		
	Sept - Oct	Oct Agency and Public Consultation Tabling of draft TMP (and Official Plan)		
	Nov			
Feb-March 2009		Approval of final TMP (and Official Plan) by Council		



