



**Wilson Street Reconstruction
Macdonell Street to Gordon/Norfolk Street
Evaluation Matrix**



Evaluation Criteria		Existing Traffic Flow Two-Way (Macdonell to Northumberland) One-Way Northbound (Gordon / Norfolk to Northumberland) Alternative 1		Reverse One-Way Section Two-Way (Macdonell to Northumberland) One-Way Southbound (Gordon / Norfolk to Northumberland) Alternative 2		One-Way Northbound (Gordon / Norfolk to Macdonell) Alternative 4		One-Way Southbound (Macdonell to Gordon / Norfolk) Alternative 5	
Technical	Traffic Performance <i>(based on forecast 2031 traffic conditions)</i>	Red	Lower Level of Service (LOS) during peak hours for: -Norfolk and Paisley -Macdonell and Wilson -Macdonell and Wyndham	Green	Lower Level of Service (LOS) during peak hours for: -Norfolk and Paisley	Red	Lower Level of Service (LOS) during peak hours for: -Norfolk and Paisley -Macdonell and Wilson -Macdonell and Wyndham	Green	Lower Level of Service (LOS) during peak hours for: -Norfolk and Paisley
	Road network continuity	Light Green	-Maintains current access to downtown through Wilson Street -Maintains two-way section for access to businesses and residences	Yellow	-Removes access to downtown via Wilson -Maintains two-way section for access to businesses and residences	Red	-Maintains current access to downtown through Wilson Street -Only one-way access to businesses between Carden and Macdonell	Red	-Removes access to downtown via Wilson -Only one-way access to businesses between Carden and Macdonell -One-way connection at Carden forces movement out of downtown
	Cycling/Walking Impacts	Light Green	Provides for two-way cycling and sidewalks along full length of Wilson	Light Green	Provides for two-way cycling and sidewalks along full length of Wilson	Light Green	Provides for two-way cycling and sidewalks along full length of Wilson	Light Green	Provides for two-way cycling and sidewalks along full length of Wilson
	Summary		Yellow		Light Green		Orange		Yellow
Natural Environment	Natural Area Impact	Green	Minimal impacts to natural environment	Green	Minimal impacts to natural environment	Green	Minimal impacts to natural environment	Green	Minimal impacts to natural environment
	Air Quality Impact	Green	Minimal impacts to air quality	Green	Minimal impacts to air quality	Green	Minimal impacts to air quality	Green	Minimal impacts to air quality
	Stormwater Impact	Green	Improvements to be made to stormwater collection	Green	Improvements to be made to stormwater collection	Green	Improvements to be made to stormwater collection	Green	Improvements to be made to stormwater collection
	Summary		Green		Green		Green		Green
Social/ Cultural	Heritage/Cultural Landscape Impacts	Green	No anticipated impacts	Green	No anticipated impacts	Green	No anticipated impacts	Green	No anticipated impacts
	Neighbourhood/Community Impacts	Yellow	-Maintains movement toward downtown -Minimal additional streetscaping opportunities	Yellow	-Reverses movement from downtown -Provides streetscape & parking opportunity at Gordon / Wilson intersection	Light Green	-Maintains movement toward downtown -Provides additional streetscaping opportunities	Light Green	-Reverses movement from downtown -Provides additional streetscaping opportunities -Provides streetscape & parking opportunity at Gordon / Wilson intersection
	Noise Impacts	Green	No change in noise levels	Green	No change in noise levels	Green	No change in noise levels	Green	No change in noise levels
	Summary		Light Green		Light Green		Green		Green
Economic/Financial	Capital Cost	Green	Minimal change in capital costs	Green	Some additional costs at Gordon / Norfolk intersection	Green	Minimal change in capital costs	Green	Some additional costs at Gordon / Norfolk intersection
	Operating & Maintenance Cost	Green	Minimal change in maintenance costs	Green	Minimal change in maintenance costs	Green	Minimal change in maintenance costs	Green	Minimal change in maintenance costs
	Economic Impacts for Downtown Businesses and Residents	Yellow	-Maintains movement toward downtown -Lower traffic performance reduces access to business and parking	Light Green	-Reverses movement from downtown -Maintains traffic performance for access to business and parking	Yellow	-Maintains movement toward downtown -Lower traffic performance reduces access to business and parking	Light Green	-Reverses movement from downtown -Maintains traffic performance for access to business and parking
	Property Acquisition	Green	None Required	Green	None Required	Green	None Required	Green	None Required
	Summary		Green		Green		Green		Green
Overall Evaluation					Preferred				

Note: **Alternative 3** (Two-Way traffic along the full length of Wilson Street from Macdonell to Gordon / Norfolk) was screened out based input received during the first public meeting as well as input from City staff which noted that a number of project objectives would not be satisfied by the alternative.

