

Bicycle Advisory Panel Bicycle Technical Master Plan

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BAP Background

“ Established in order to assist staff and Council in implementing a vision for a **safe and attractive bicycle transit system** ”

BAP Background

- Key Initiatives & Activities
 - Ramsey Lake Cycle Tours
 - Sustainability Joy Rides
 - Continuously Advising Staff and Council
 - Authoring Bicycle Technical Master Plan

Benefits of Bicycling

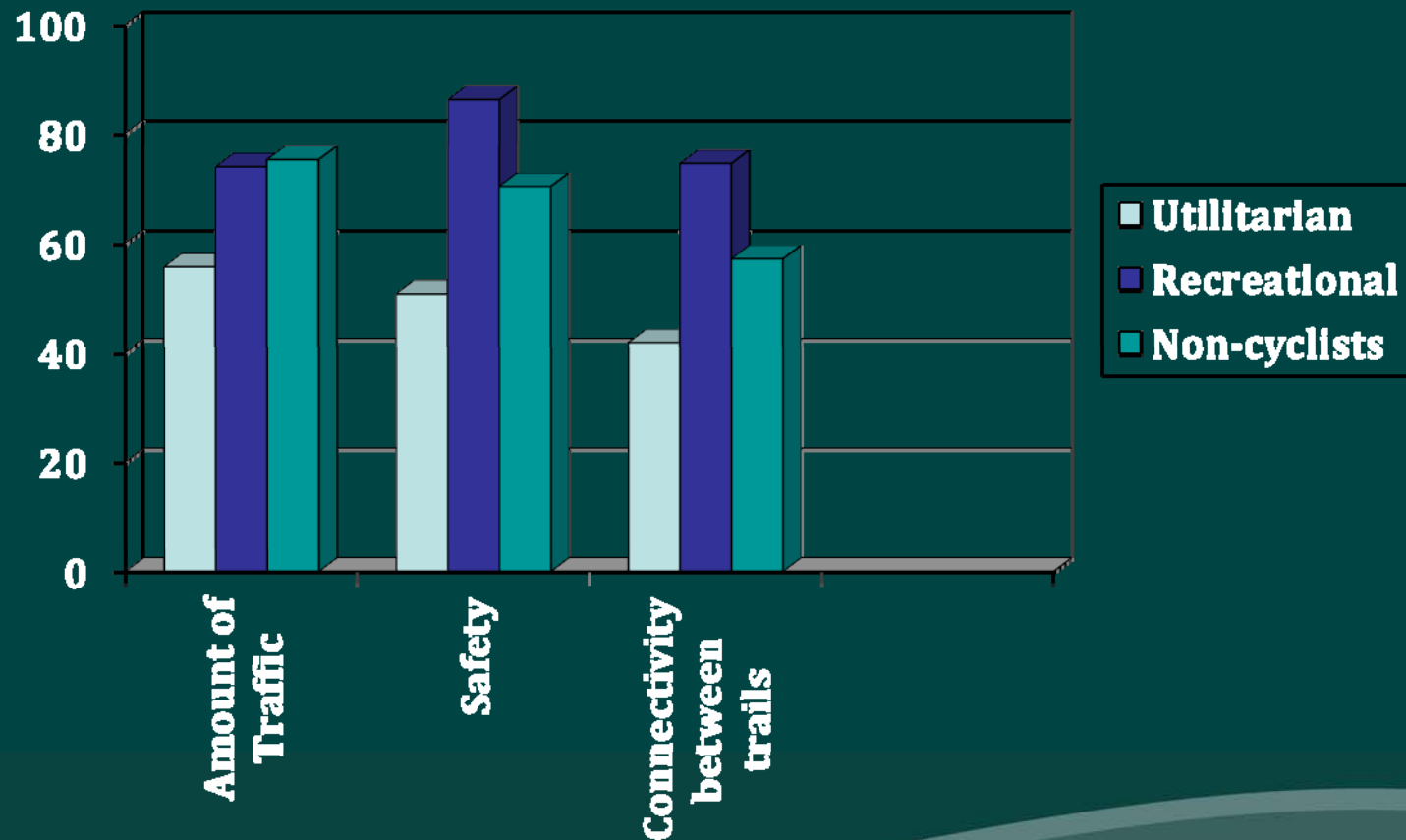
- *Four pillars* identified in the City's Healthy Community Strategy:
 - Active Living/Healthy Lifestyle
 - Environmental
 - Economic
 - Civic Engagement/Social Capital

Why Study Cycling in Sudbury?

- **Physical Activity Levels and Disease**
 - 56.6% of Sudbarians aged 12 and over consider themselves at least moderately active (2005 Canadian Community Health Survey).
 - 64.7% of males and 49.0% of females aged 18 years and older in Sudbury consider themselves overweight or obese (Statistics Canada 2005).
- **Popularity of Bicycling in Sudbury**
 - Approximately 7% of the Greater Sudbury population cycle for utilitarian purposes (Winter 2007).
- **Decrease Bicycling Accidents**
 - During 2005/06 fiscal year there were 78 emergency department visits in Sudbury related to cycling injuries (Farmer 2009).

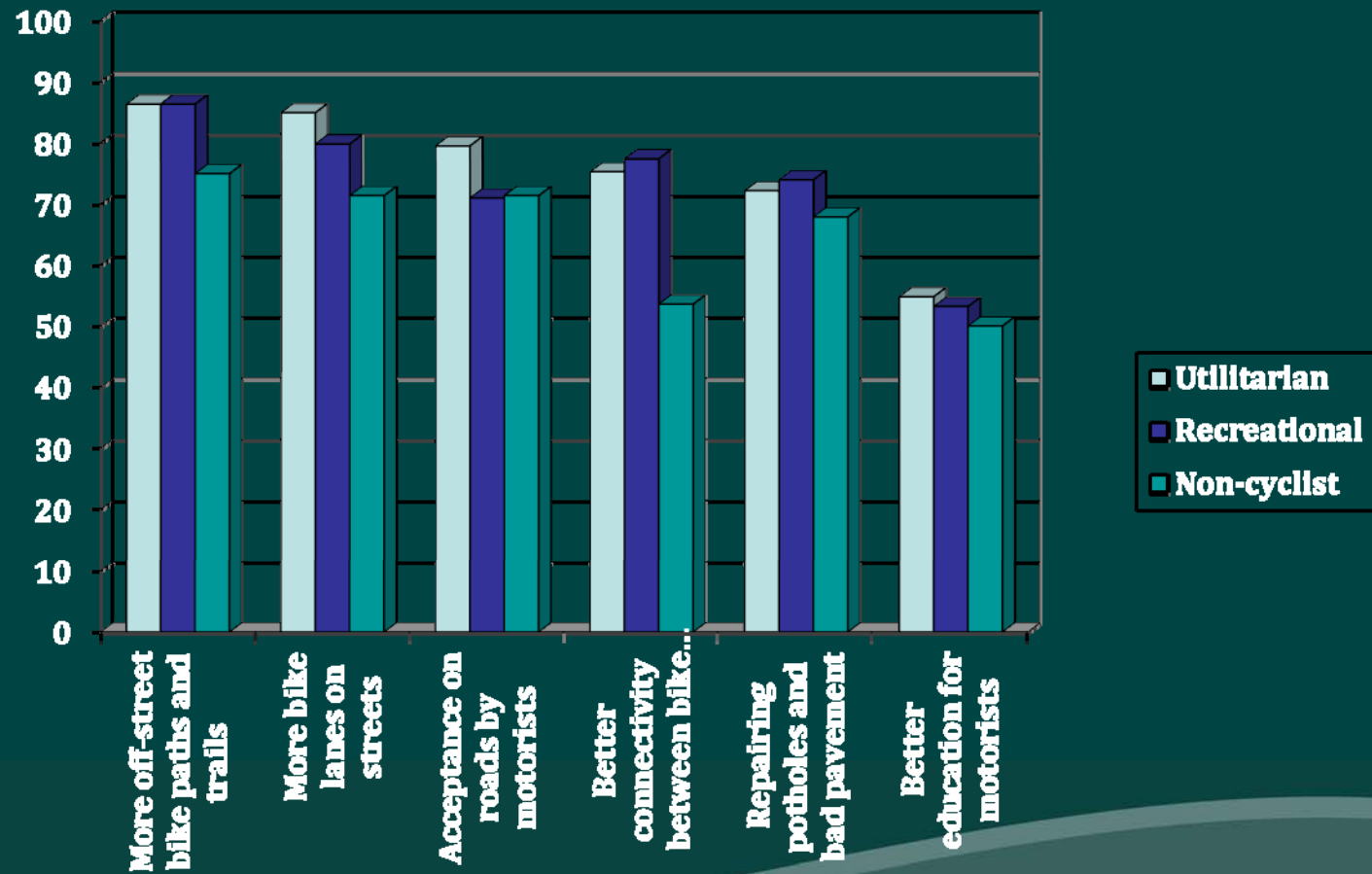
Survey conducted by Trails for Active Transportation found that 93% of respondents rate Sudbury negatively for bicycling.

Barriers to Biking



- *77.9% of cyclists ride on the sidewalk on at least one arterial road in inner Sudbury*

What will get Sudburians riding?



Is a Bicycle Technical Master Plan Needed?

- Fulfills an important *BAP* mandate
- Achieves *SMP* Recommendations:
 - Action Plan for development of route network, including scheduling and cost estimates
 - *Priority Index* for routes
 - Facilitating bicycling as a viable means of transportation

Route Classification

- Arterial Bicycling Corridors
- Local Bicycling Corridors
- Off-Road Bicycling Connectors





Priority Cycling Corridors

- Determined based on:
 - Panel knowledge
 - community input
 - *Bicycling Suitability Assessment Form*

Bicycle Suitability Assessment Form (V.040802)
(Adapted by James Emery, MPH from N. Eddy, 1996)

Date:		Comments/Suggested Improvements:	
Data Collector Name:			
Segment ID Number/Name:			
Boundary streets:			

A) General Road Factors	Measures	C) Location Factors	Yes/No (circle)	Score for "Yes"
1) Annual Avg. Daily Traffic (AADT)		1) Angle Parking	Y N	0.75
2) Total number of through lanes		2) Parallel Parking	Y N	0.50
3) Speed (mph)		3) Right-Only Turn Lanes	Y N	0.25
4) Outside lane width (e.g., 11.5')		4) Center (Both) Turn Lane	Y N	-0.25
5) Bike lane or paved shoulder width (e.g., 4.5') (Note - a marked bike lane.)		5) Physical Median	Y N	-0.50
<i>Record these measures in the formula below</i>		6) Paved Shoulder	Y N	-0.75
		7) Marked Bike Lane	Y N	-1.00
		8) Severe Grades	Y N	0.50
		9) Moderate Grades	Y N	0.25
		10) Frequent Curves	Y N	0.25
		11) Restricted Sight Distance	Y N	0.50
		12) Numerous Driveways	Y N	0.50
		13) Numerous Intersections	Y N	0.75
		14) Difficult Intersections	Y N	1.00
		15) Industrial Land Use	Y N	0.50
		16) Commercial Land Use	Y N	0.25
		17) Sidewalk Only One Side	Y N	0.25
		18) Sidewalks do not exist	Y N	0.50
		TOTAL all "YES" points <i>Record score in formula below</i>		

B) Pavement Factors	Score
1) (circle one pavement description)	(record score)
Very Good = 0.25	
Good = 0.75	
Fair = 1.50	
Poor = 2.25	
Very Poor = 3.75	
2) Presence of a Curb Y N	Yes = 0.25
3) Rough RR Crossing Y N	Yes = 0.50
4) Storm Drain Grate Y N	Yes = 0.75
TOTAL Scores <i>Record score in formula below</i>	

AADT	Speed (mph)	Outside Lane Width	Bike Lane or Paved Shoulder Width	Pavement Factors	Location Factors	Bicycle Suitability Score
[]	[]	14 - []	[]	[]	[]	[]
[] * 2500	+ 35	+ 2	+ []	+ []	=	[]
# of thru Lanes						

Progress Thus Far

- Bancroft-Howey-Belleview Bike Lanes
- Paris Street Paved Off-Road Path
- Ramsey Lake Road Paved Off-Road Multiuse Path

- Traffic Committee Shared Lanes Recommendation

Next Steps

- Adopt the BTMP and entrench it in the CGS's Official Plan at the next review
- Allow the Sustainable Mobility Expert Panel to guide the BTMP implementation
- Social Marketing/Education Campaign for promotion of safe cycling
- Advocacy and Policy for bicycling-related issues
- *Strive for balance*

Thank You!

- Happy and Safe Cycling!

