



St. Clair Ave. W. Transit Improvements Class EA Study

Phase 2 Community Workshop

January 26, 2004

Timothy Eaton Memorial Church

WELCOME



Agenda for Tonight's Meeting

- Welcome and Introductions
- Overview of the Study
- Description of Sample Evaluation
- Discussion of Evaluation Criteria
- Weighting of Evaluation Categories
- Discussion of Alternatives
- Next Steps

If there are going to be changes to St. Clair, what is important to you?



Example of the process: Purchasing a Car

Problem Statement:

A family of four is considering purchasing a car to meet their transportation needs. They need to all comfortably fit into the car as well as their hockey equipment and camping gear. Finances are constrained, but all reasonable alternatives must be considered, from the very lowest end car to a mid-range car, or not purchasing a car at all.



Criteria Categories

Several categories must be considered when deciding which car to purchase:

TABLE 1. EVALUATION CRITERIA

CATEGORY	DESCRIPTION	RELATIVE VALUE WEIGHT (% OF 100%)
Cost	Considers purchase price and costs of financing, fuel, insurance, and maintenance.	
Transportation service	Considers the size of the vehicle, reliability, and performance.	
Socio-economic environment	Considers visual attractiveness and level of noise.	
Natural environment	Considers effects on air quality and the natural habitat.	



Weighting Criteria Categories

These categories can be weighted to show which categories are of most importance to the family:

CATEGORY	DESCRIPTION	RELATIVE VALUE WEIGHT (% OF 100%)
Cost	Considers purchase price and costs of financing, fuel, insurance, and maintenance.	50%
Transportation service	Considers the size of the vehicle, reliability, and performance.	25%
Socio-economic environment	Considers visual attractiveness and level of noise.	10%
Natural environment	Considers effects on air quality and the natural habitat.	15%



Alternatives

- 1 Purchase a new car, fueled by gasoline
- 2 Purchase a new SUV, fueled by gasoline
- 3 Purchase a new car, hybrid fuel source
- 4 Purchase an older car
- 5 Purchase an older mini-van
- 6 Do nothing - no purchase



Criteria Rated

Each factor can be rated and then measured:

EXAMPLE: CRITERIA USED FOR PURCHASING A CAR							
CRITERIA CATEGORY	CRITERIA FACTORS	MEASURE (S)	RATING				
			1 (least important)	2 (somewhat important)	3 (fairly important)	4 (rather important)	5 (most important)
Cost	Capital cost	Purchase price					
		Financing expense (interest rate, fees, etc.)					
	Operating cost	Fuel efficiency					
		Insurance cost					
		Maintenance and repairs					
Transportation service	Size of vehicle	Number of seats, size of passenger space					
		Size of cargo area					
	Reliability	Starts every time needed					
	Performance	Driver comfort with handling, etc.					
Socio-economic environment	Visual impacts	Ugly and rusted, or new and shiny					
	Noise	Level of noise emitted					
Natural environment	Fuel efficiency	Number of kilometres per litre					
	Type of fuel used	Renewable or nonrenewable					
	Air quality	Level of emissions					



Final Step: Choosing a Design

The final step is to choose design features of the new car:

- Colour of car
- Fabric for seats
- Power windows
- Air conditioning
- Etc.



#1: What additional criteria should we consider?

- Review the *criteria* on the **blue sheet**
- Individually, write down any additional *criteria* on front side of **Worksheet #1**
- In your small groups, share your suggestions for additional *criteria*
- Report your group's ideas to the entire workshop



#2: How important is each category?

- Review the *categories* on **Worksheet #1**
- Consider which categories are most important and weight the categories out of 100%
- Write your % weight for each category on back side of **Worksheet #1**
- Record your answers on flipchart and discuss in your small group
- Report back to the entire workshop



#3: How important is each criterion?

(Take-home exercise – mail back to study team)

- Review the criteria in **Worksheet #3** and add any criteria identified during Exercise 1
- For each criterion, consider which are most important
- For each criterion, circle a number from 1 to 5 (*where 1 = least important, 5 = most important*)
- Review the measure(s) listed for each criterion
- Suggest additional measures in the comment box (or any other comments about the criteria)



Alternatives

During the current phase, alternative solutions are considered

(not specific alternative designs)



Alternative #1: Do Nothing

- No improvements beyond streetcar track replacement and platform improvements





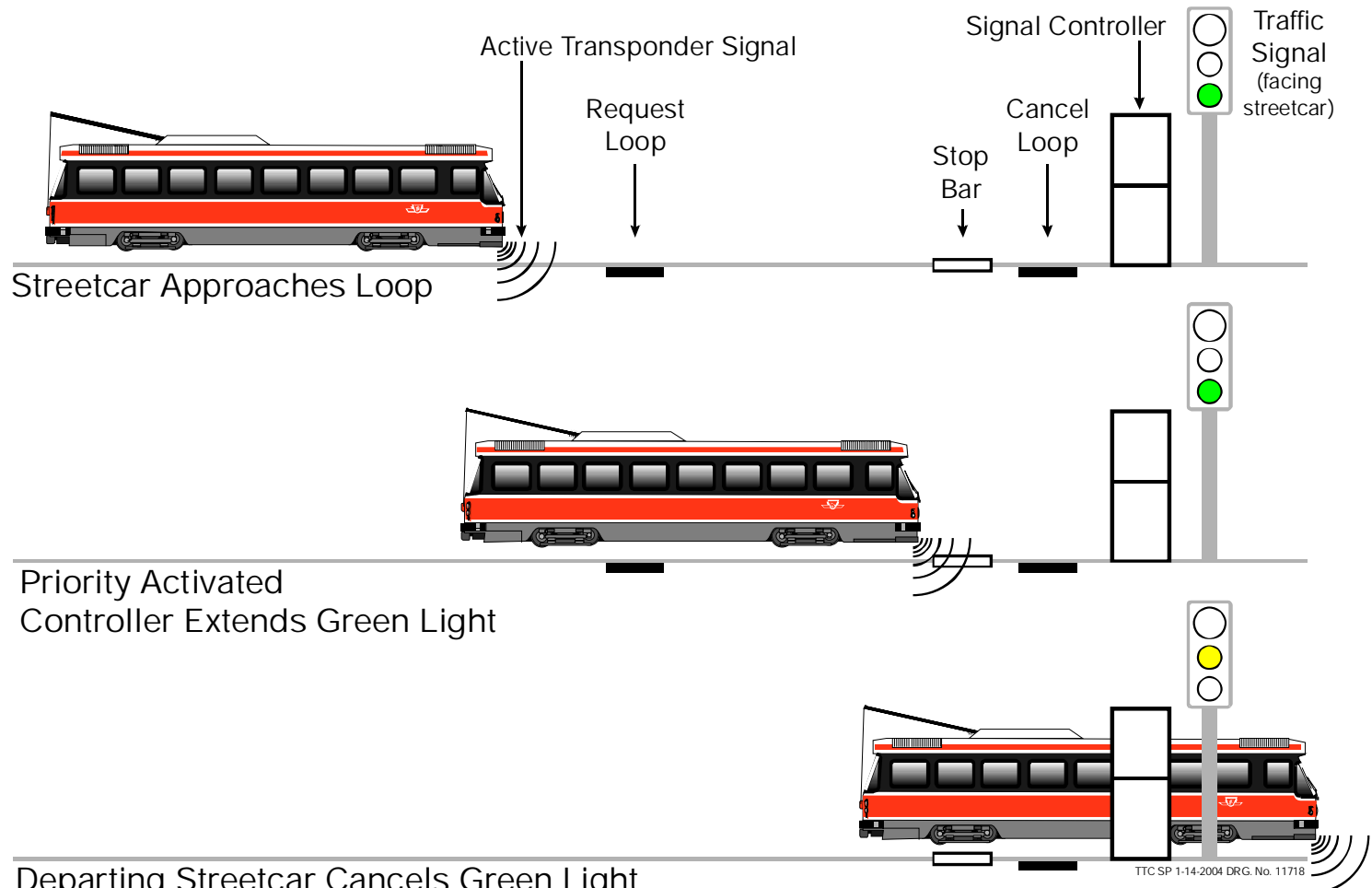
Alternative #2: Minor Transportation Improvements (such as signal timing changes for all vehicles, road improvements, turn restrictions)





Alternative #3: Transit Priority Improvements - to give transit a time advantage over other vehicles (signals and/or geometric design)

Signal Priority - Green Light Extension





Alternative #4: Other Transportation System Strategies (transportation demand management, transportation systems management, high occupancy vehicle lanes)



Transportation Management Association
Pilot Project



If you would like to...

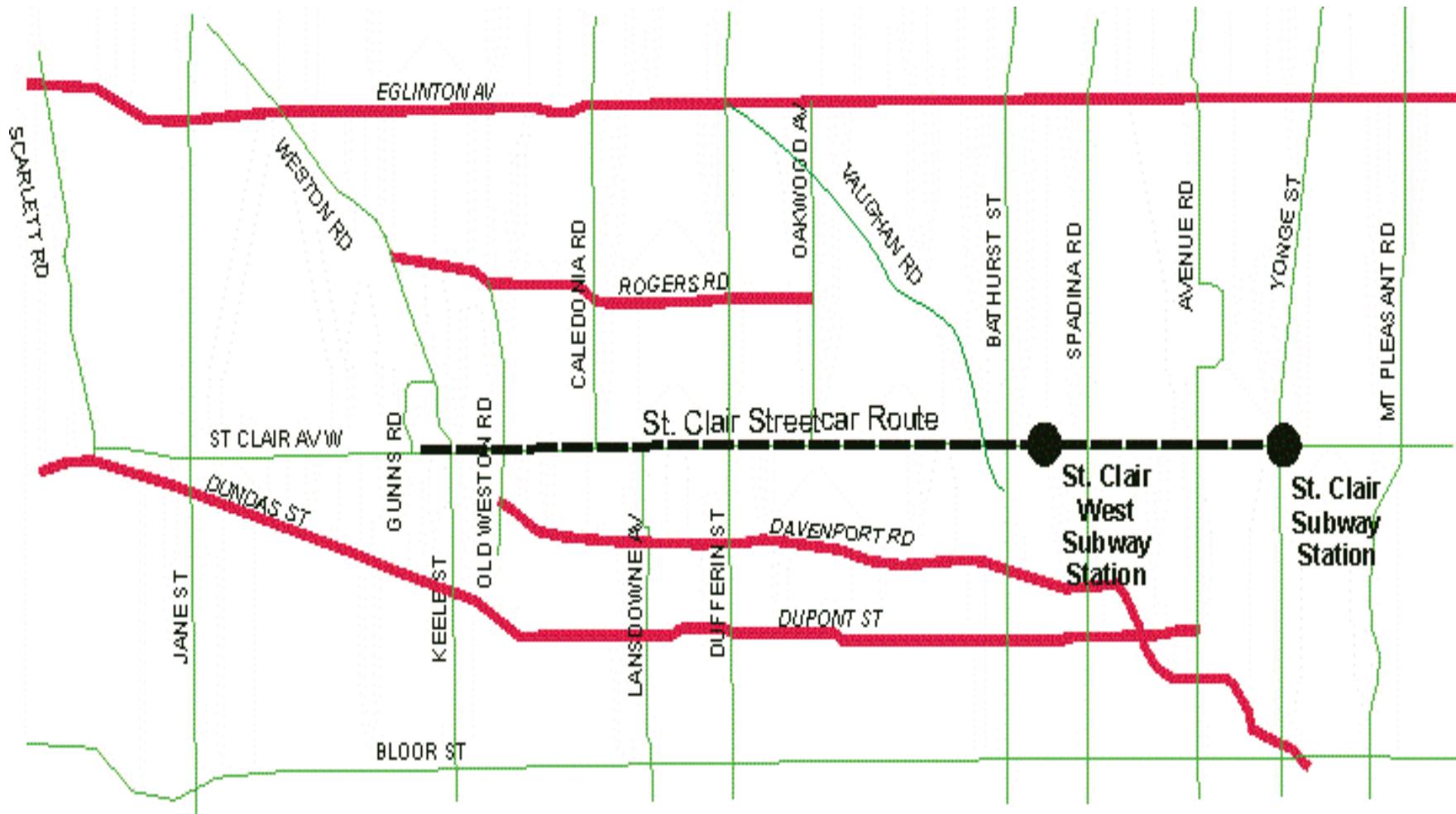
- save time and money in commuting
- see fresher air and less congestion

Then a Transportation Management Association (TMA) is your solution.





Alternative #5: Major Transit Improvements on other east-west streets





Alternative #6: Exclusive Transit Lanes on St. Clair Avenue: (design for the transit and vehicle lanes would be defined if this alternative is selected)

Dedicated via signs and pavement markings



Physically separated





Alternative #7: Change Technology **- for example, bus service or articulated streetcars**





Alternative #8: Road Widening - St. Clair or parallel roads





Alternative #9: Combination of some of the above options

Many of the alternatives can be combined by section, to reflect the opportunities and constraints of the distinct communities along St. Clair Avenue West. For example, one option could be selected for the section east of Bathurst, and another option selected for the section west of Bathurst.

