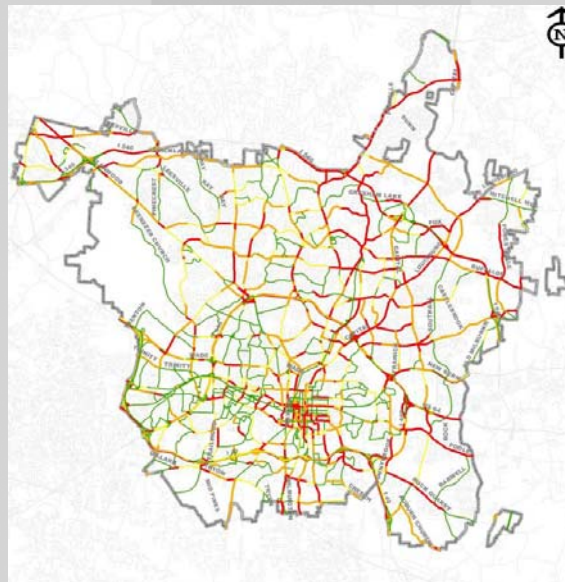




**Dollars & Sense of Walking**  
Creating Liveable Communities  
Conference 2 - 3 August 2010  
Living Streets Aotearoa

**abley**   
transportation consultants

# Predicting Walkability



Presenter: Steve Abley  
[www.abley.com](http://www.abley.com)  
Monday 2 August 2010

# The Problem



+



=



Analysis Tools



Economic  
Analysis



Central  
Government  
Funding



2004

## Community Street Audits

An introduction to the art of  
consumer testing our streets

*Steve Abley*

Chartered Traffic and Transportation Engineer  
B E(Hons) HZCEMIPEHZ CPEng MICE CEng(UK) MHZW IntPE(HZ)



2004

## Typical street design process



*Steve Abley*

# 2004

## Summary



Steve Abley

# 2006

*Measuring Walkability*  
*- Consumer Satisfaction Surveys -*



# 2006

## Provision vs. quality



What is this?



Is it basically this?

Photo Source: Living Streets (UK)



# 2006

How it looks today....





# 2006

## Questions?

Walkability: the extent to which the built environment is walking friendly



It is not the “performance of walking”  
It is the “performance of the environment when walking”

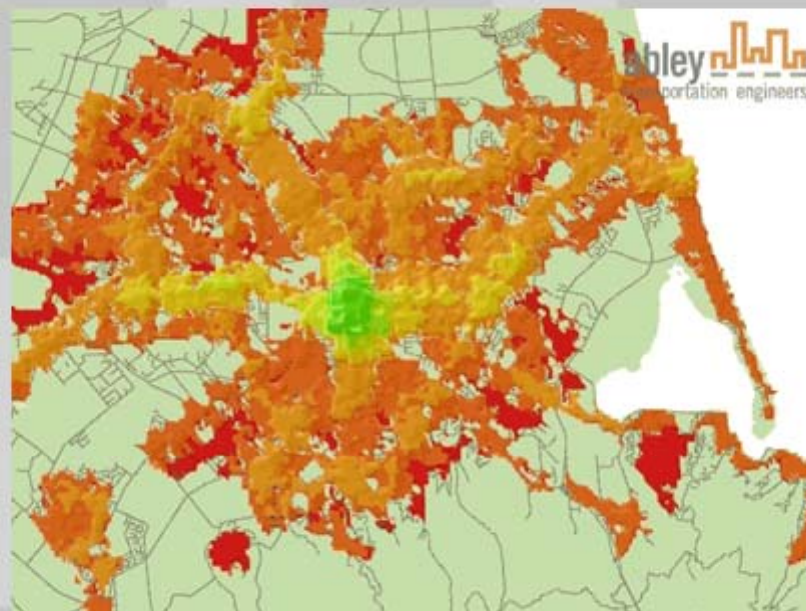
2008

***Stand by:***

The future is ~~coming...~~ *now!*

# 2008

## 4. Solutions



# A Long way to here

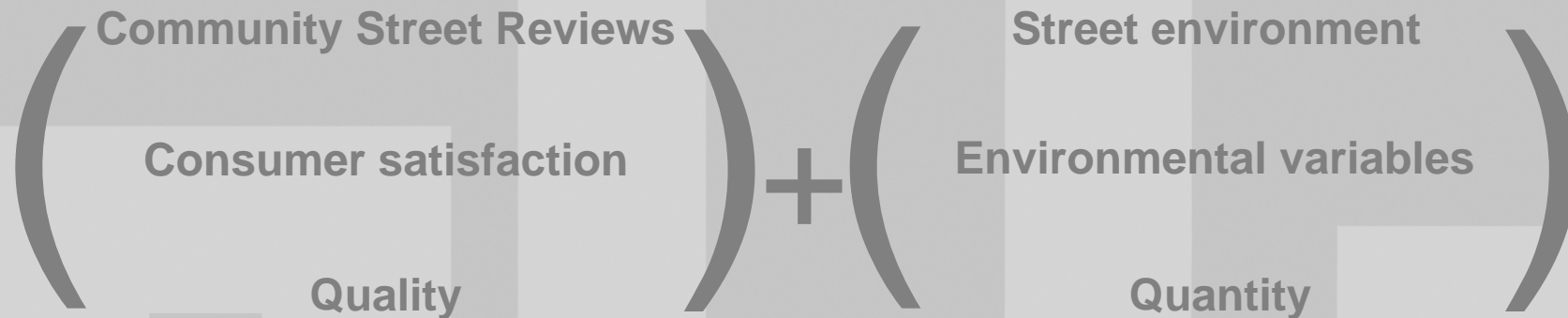
- 2004 Raise awareness
- 2005 Audit, Review and Rating Research
- 2007 Produce CSR
- 2008 Produce [www.levelofservice.com](http://www.levelofservice.com)
- 2009 Commission model development



# Guide to undertaking community street reviews



# A Long way to here



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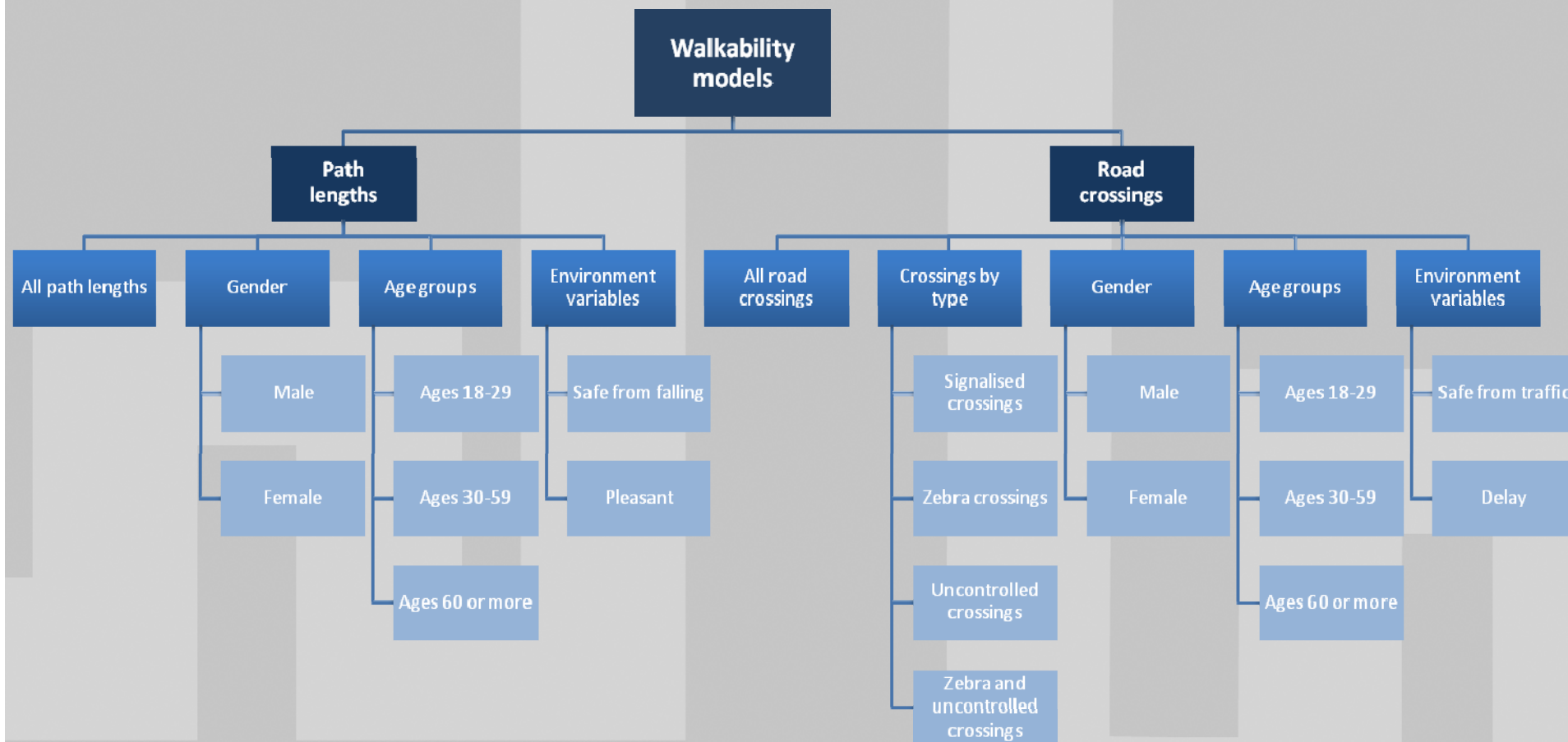
Mathematical model to infer  
Community Street Reviews

# Measuring





# Walkability Models

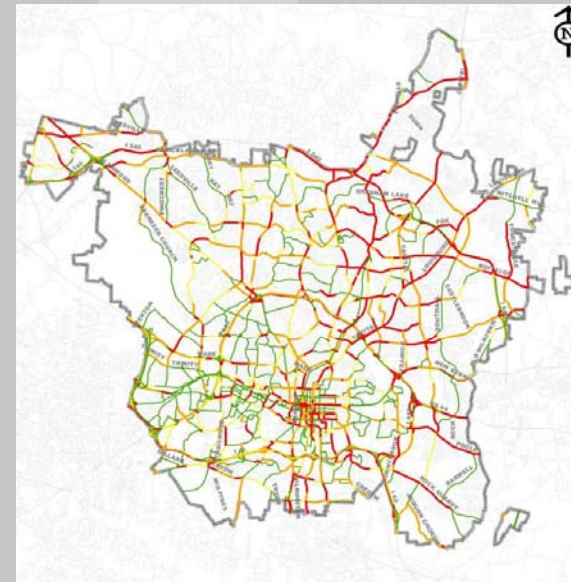




# Applications



Routes  
Individual CSR



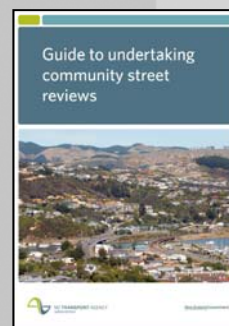
Models  
Citywide Networks

# Conclusions

1)



2)



3)

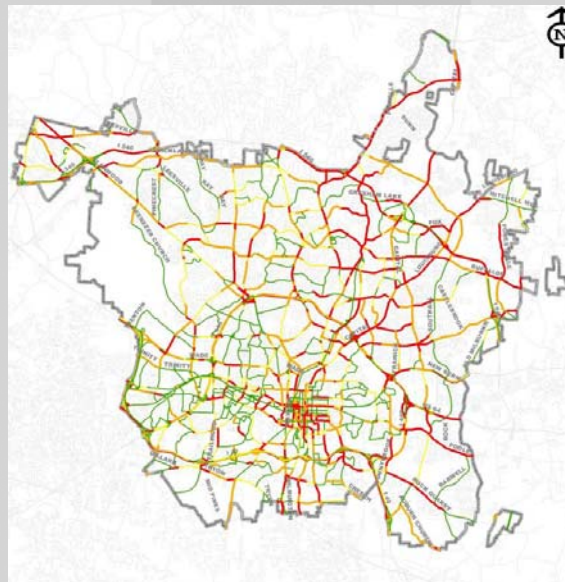




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