



Christopher K. Manzira

2017 Annual Polis Conference, 6-7 December 2017, Brussels, Belgium



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Bhaile Átha Cliath
Dublin City Council



2017 ANNUAL POLIS CONFERENCE

6-7 December 2017, Brussels
Innovation in Transport for Sustainable Cities and Regions



How including walking and cycling in transport models is influencing Dublin City's transport investments



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Segregated cycle tracks

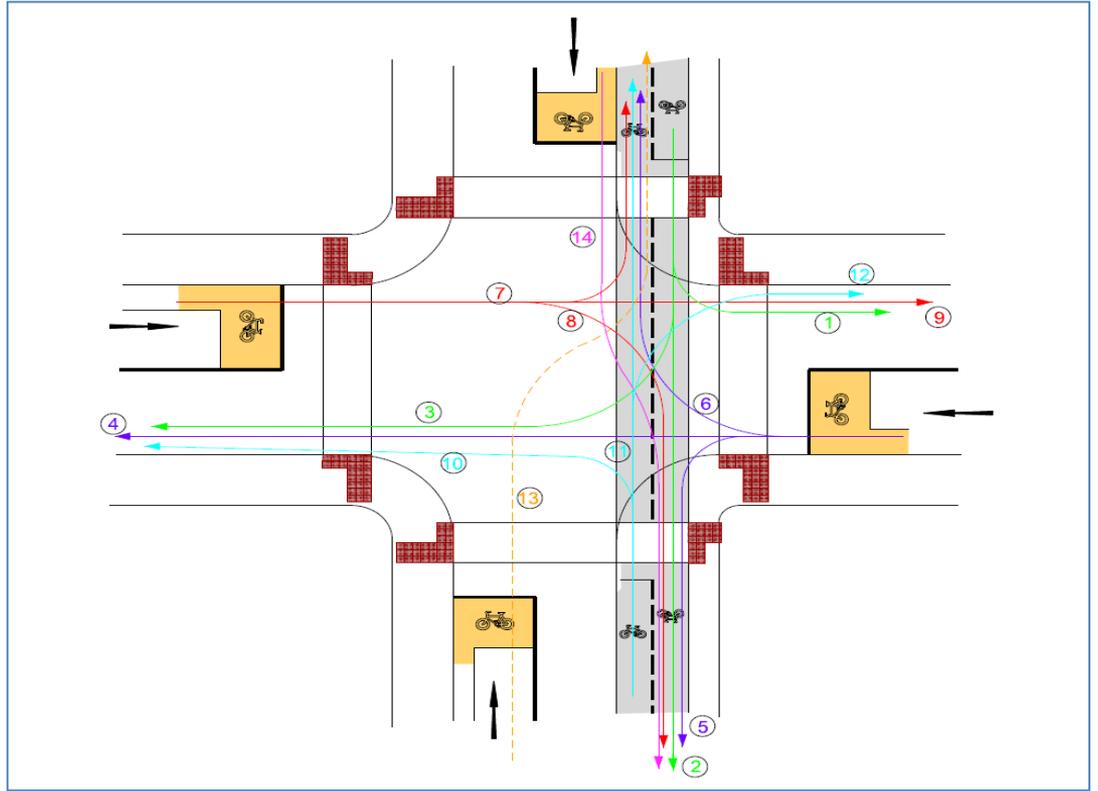
Focus on
sustainable
mobility



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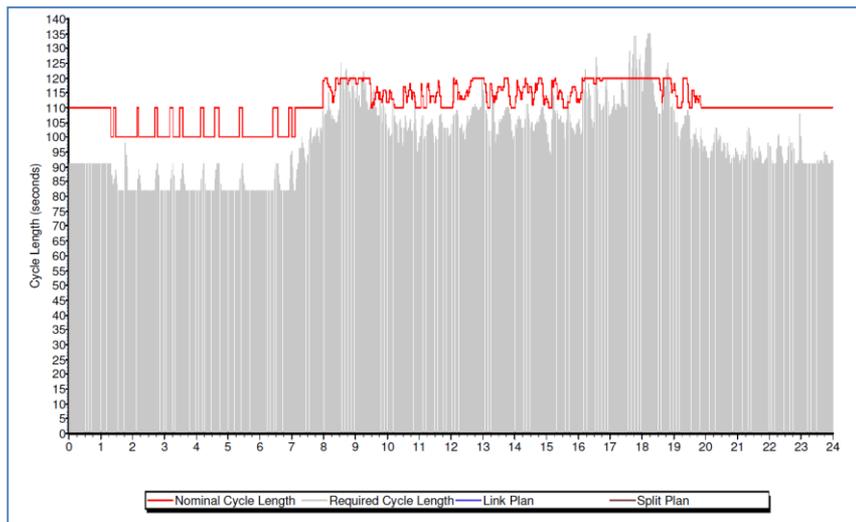
All Turning Movements

- Cyclists
- Pedestrians
- Vehicles

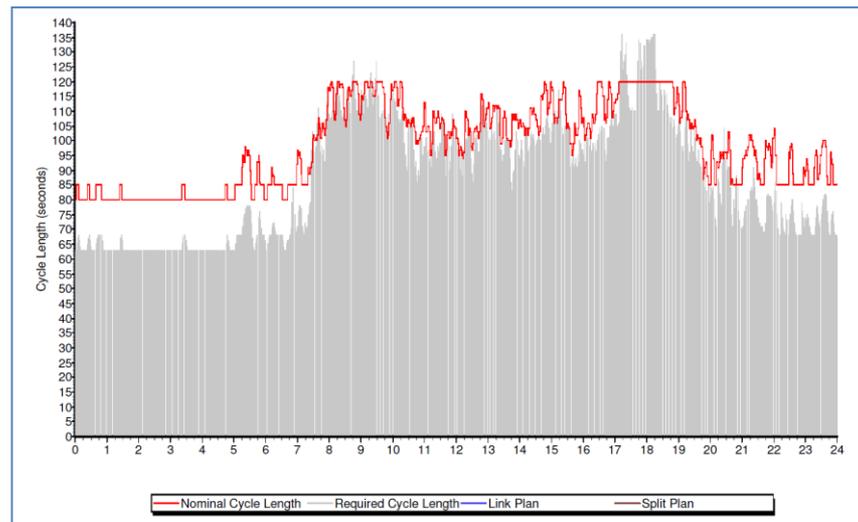


Impact at junctions

Before



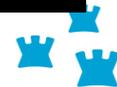
After



Micro Simulation



Baggot St/Wilton Terrace Dublin City CCTV
16 Sep 2015 08:43:40 GMT Daylight Time



Multi – modal assessments

- Develop a model to include a nested pelican
- Observations provide opportunity for calibration
- A calculation of optimum time allocation for cyclist phases.
- **Comprehensive multi modal assessment of junction performance**



NEW

Multi modal assessment for College Green

PRIORITIES

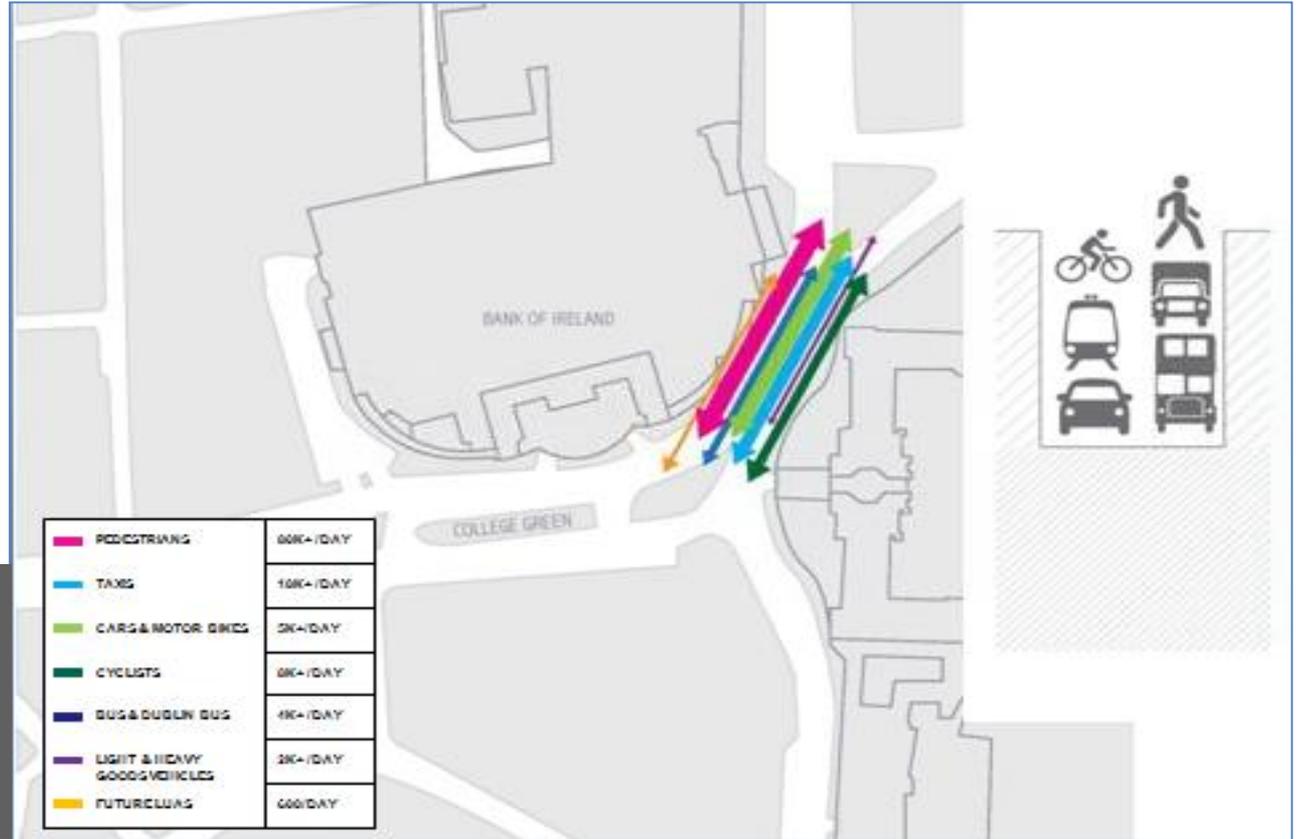


1

2

3

	PEDESTRIANS	60K+/DAY
	TAXIS	10K+/DAY
	CARS & MOTOR BIKES	5K+/DAY
	CYCLISTS	6K+/DAY
	BUS & DUBLIN BUS	4K+/DAY
	LIGHT & HEAVY GOODS VEHICLES	2K+/DAY
	FUTURE LANS	600/DAY



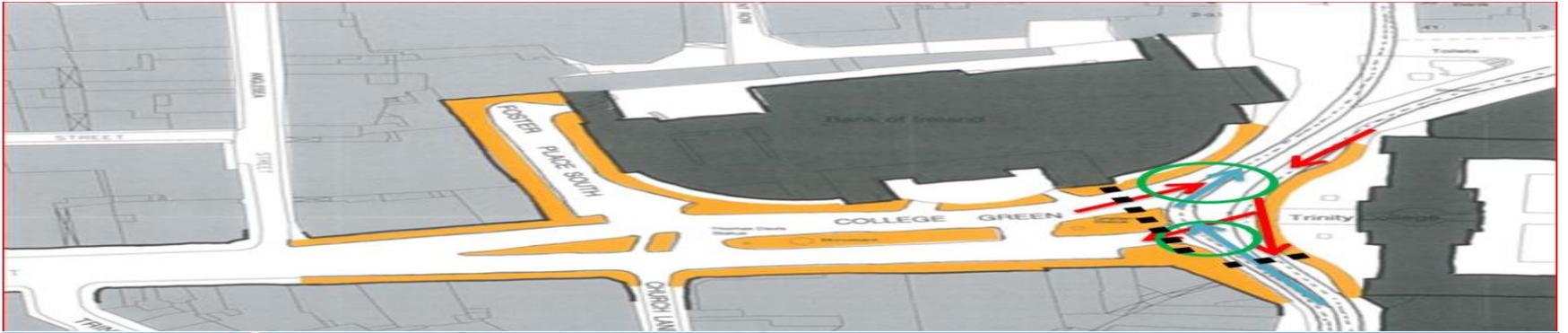
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Existing Conditions



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Prioritising vehicular traffic



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Compromise for pedestrians



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Prioritising pedestrians and cyclists



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**From prioritising motorised
traffic**



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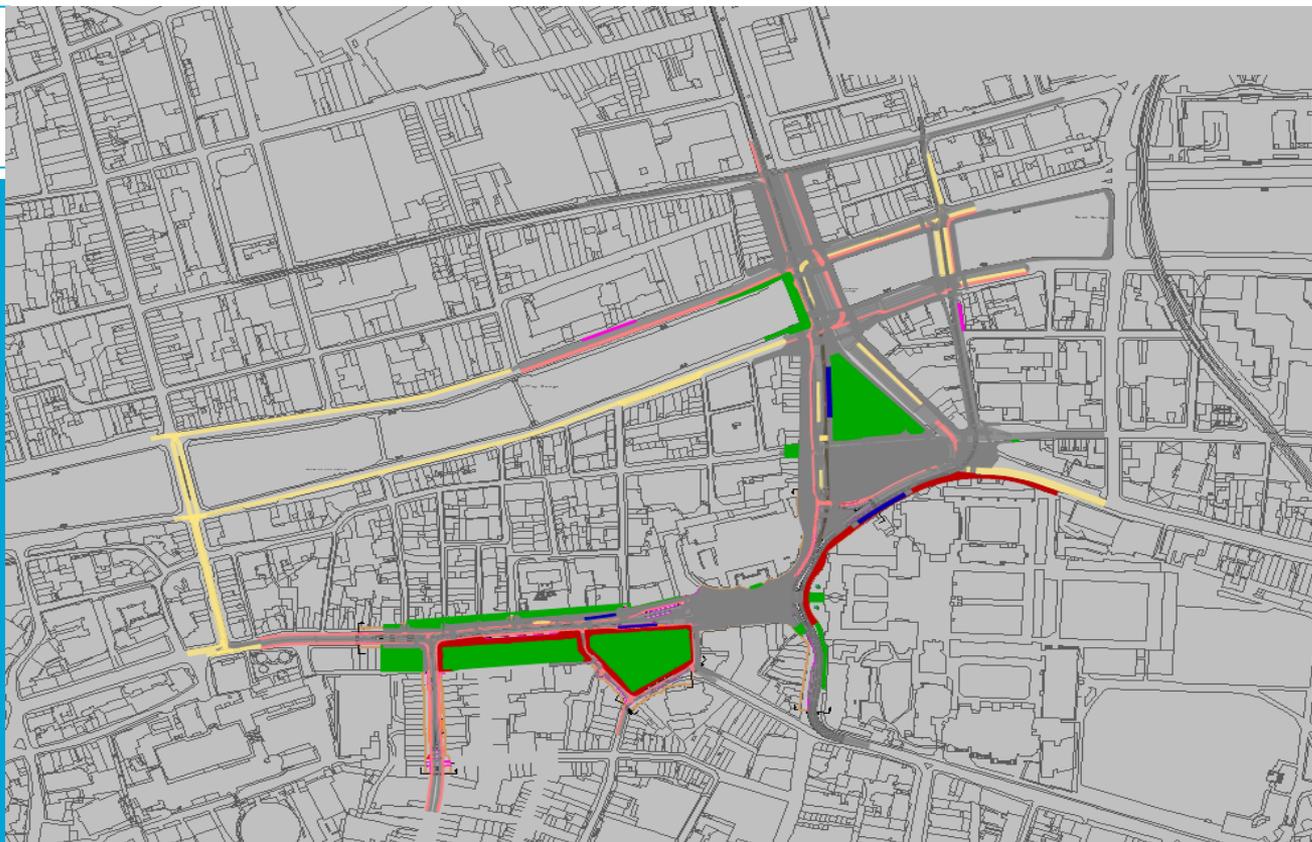
Prioritising pedestrians and cyclists



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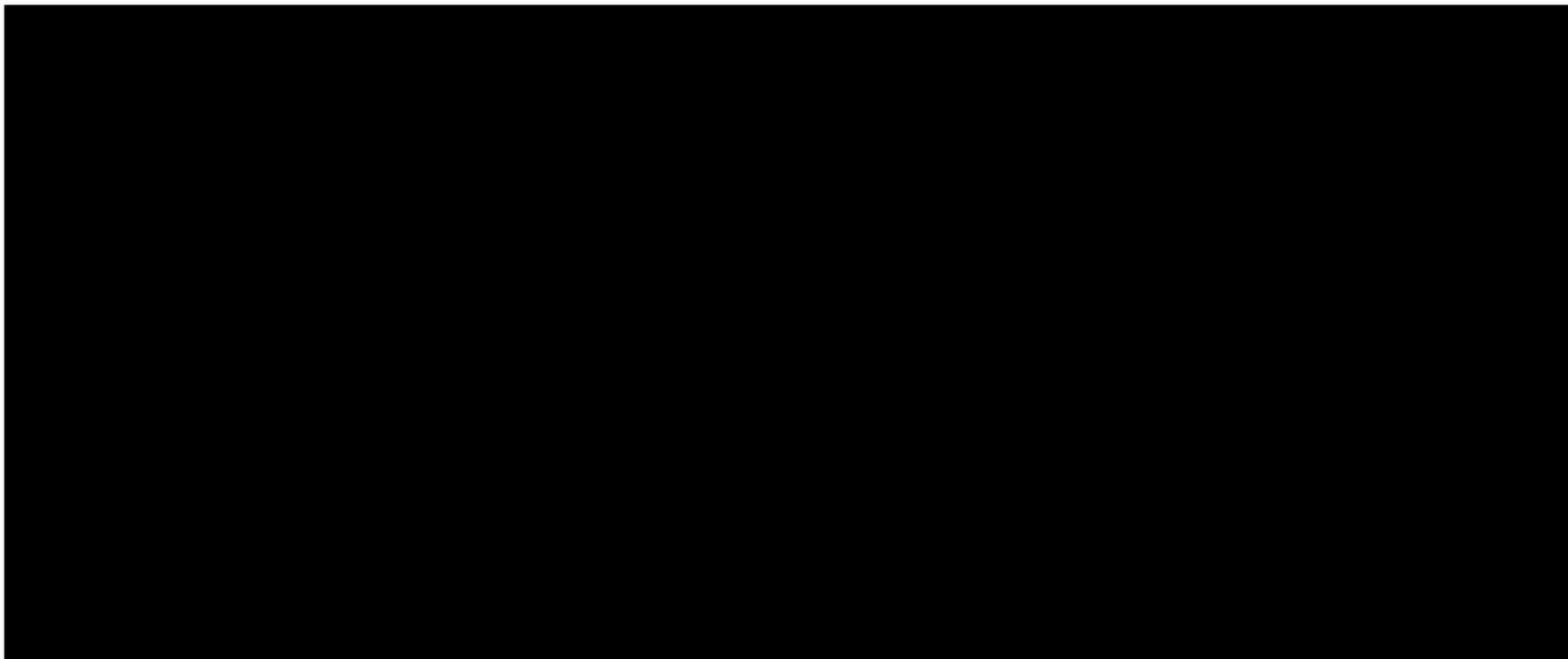
Network

- Model extents
- Calibration
- Pedestrian Matrix
- Modifications
- Cyclist behaviour
- Linking to SCATS
- Dynamic assignment



Micro
Simulation

College Green



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O'Connell Bridge 7 D'Olier St. Dublin City CCTV
26 Oct 2016 09:04:44 GMT Daylight Time



Thank You



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