







![](_page_0_Figure_4.jpeg)

![](_page_1_Figure_0.jpeg)

![](_page_1_Figure_1.jpeg)

Operates as two separate

Coordination depends on

Different phasing possibilities depending on location of pedestrian demand

demand at intersection

crosswalks

![](_page_1_Figure_2.jpeg)

![](_page_1_Figure_3.jpeg)

![](_page_1_Figure_4.jpeg)

![](_page_2_Figure_0.jpeg)

![](_page_2_Figure_1.jpeg)

![](_page_2_Figure_2.jpeg)

• Applying the modelling method:						
Side road	Base	SPC	Base	SPC	Base	SPC
Manchester	D	С	39.0	34.9	-14%	-10%
Colombo	D	D	49.1	45.7	-19%	-18%
Durham am Durham pm	D	D	51.4	50.4	-10%	-10%
	D	С	35.7	33.4	8%	10%
ASTRADA					•	

# **Discussions**

- Are staged pedestrian crossings unsafe because they require pedestrians to wait in the centre of the road?
  - Phasing should be designed to minimise this occurrence
  - Refuge should be designed to offer actual and perceived safety
  - What about the current situation?

## 

# Discussions Is pedestrian split approach operation unsafe? Phasing must be carefully designed Signal hardware and refuge layout must emphasise the two separate crossings

![](_page_3_Figure_0.jpeg)

# **Discussions**

- Will user-unfamiliarity make SPCs unsafe?
  - Current intersections are vastly inconsistent
  - Current intersections not always self-explanatory
  - Improvement requires change

### VIASTRADA

![](_page_3_Picture_7.jpeg)