Simpler, Safer Junctions for All

Exploring the implications of turning vehicles giving way to pedestrians and cyclists

Centre for Transport and Society

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Why are we looking at this?

TWO THIRDS OF ALL COLLISIONS TAKE PLACE AT JUNCTIONS

DFT 2015
Research Aim

Aim: to investigate the attitudes to change & likely behaviour at junctions, of all types of road users, were a general & unambiguous duty to ‘give way on turning’ to be introduced in the UK context.
Q-methodology
The Q-sort participants

- N=41
- Purposeful sample
- Mixed road user experience:

<table>
<thead>
<tr>
<th>Mode Use</th>
<th>Frequency</th>
</tr>
</thead>
<tbody>
<tr>
<td>Cycle</td>
<td>32</td>
</tr>
<tr>
<td>Walk (10+ mins)</td>
<td>37</td>
</tr>
<tr>
<td>Bus</td>
<td>32</td>
</tr>
<tr>
<td>Car driver</td>
<td>34</td>
</tr>
<tr>
<td>M/C</td>
<td>2</td>
</tr>
</tbody>
</table>
5 groups with common perspectives

Optimistic

Realistic

Pessimistic

Altruistic

Pragmatic
Divergence

Differences between groups:

• Which road user types should be the prime focus of junction improvements
• Relative importance of safety & time saving
• Amount of effort required to implement change
Consensus

**Strong agreement between groups:**

- No level of injury & death at road junctions is acceptable
- Regulation changes should be made
- Funding for awareness raising is important
- Supporting regulation change with concomitant design changes to the physical layout of junctions also important
Current Misalignment

LAW: some highway regulation not followed as unknown, unclear, or flouted because inconvenient

BEHAVIOUR: some road users not compliant with current regulation, e.g. cutting in on cyclists or not giving way to pedestrians crossing side roads

INFRASTRUCTURE: some design encourages behaviour non-compliant with highway regulation, e.g. wide radii on mouths of side roads

Future Alignment

LAW and highway regulation that is widely understood and unambiguous

INFRASTRUCTURE: design that encourages compliance with highway regulation

BEHAVIOUR: compliant with highway regulation is the norm

Aspiring to a future of greater alignment between infrastructure design, highway regulation and road-user behaviour
Findings

Safe, attractive & convenient…

...for all
Regulation changes

**Need support from:**

- Public awareness raising campaigns
- Infrastructure design changes
- Funding
- Enforcement
Takeaway messages

1. All user types agree that any injuries and death at road junctions are unacceptable: **Road-user behaviour needs to change**

2. There are practical changes that policy makers could and should make that would improve junction safety, so that they were more attractive & convenient for all: **Policy makers need to act**

3. Change in regulations would need support from design, funding and enforcement: **Highway regulation & design need to align**
References

Contact details and questions

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