

SWOT analysis of Lane Change Decision Aid System (LCDAS)

Strengths	Weaknesses
<ul style="list-style-type: none"> - Autonomy in that all necessary technology and intelligence is available on board - Increases safety and comfort 	<ul style="list-style-type: none"> - Autonomy does not allow for network-wide benefits
Opportunities	Threats
<ul style="list-style-type: none"> - V2V and/or V2I cooperation may avoid emergence of shock waves and stabilise traffic flow during lane-change manoeuvres - V2V and/or V2I cooperation may enable better utilisation of available motorway capacity - Technology advances may allow automation of the whole lane-change and merging process - Technology maturity may reduce system cost 	<ul style="list-style-type: none"> - User acceptance in terms of both purchase intention and frequent activation after purchase - Cost - Motorway traffic management delayed adaptation