



# Appendix 9

Knowledge Review of the Social and Distributional Impacts of DfT Climate Change Policy Options



#### **Final Report to Department for Transport**

ED46894 Issue Number 1 June 2011



Title Knowledge Review of the Social and Distributional Impacts of DfT Climate

**Change Policy Options** 

**Customer** Department for Transport

Customer reference SRE002

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File reference

Reference number ED46894 - Issue 1

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Philip Barham, Sam Jones and Vicky Edge (TTR)

Karen Lucas (TSU)

**Approved by** Name Sujith Kollamthodi

Date 30 June 2011

1 Ian is an AEA Associate

ii AEA

#### **Appendix 9: Rapid evidence assessments**

PART A – BASIC	INFO	RMATION				
Author(s)		ıs, CG, Molin, EJE and v	an Wee, B,		Year of publication 2006	
Title/publication				car drive	ers travel choices: a literature review	
Context	Туре	of publication e.g. jour	nal article, other	article,		
		book chapter, working p				
		rence paper, response to	o government			
		ıltation			I have have no deco	
		of study e.g. literature i			Literature review	
		graphic – country, regior	n, city		World wide N/A	
DART D. FOOLIC		ole size (if relevant)			N/A	
PART B – FOCUS		a Dana tha danuman	at tall	No de	a auticle discusses venetice of any duivers in	
1. Different social	ı	a. Does the documer			e article discusses reaction of car drivers in all to improved travel information	
groups		anything about the re		gener	ai to improved traver information	
		different social group policy measures (whi				
		covered)?	cri groups are			
		b. Does the documer	nt tell us			
		anything about travel		No		
		experienced by the a				
		groups? If so, does it				
		how transport policy				
		might impact on then				
2. Different transp	oort	a. Does the document tell us		Yes. in	proved travel information measures	
policy measures		anything about different transport		, , , , ,		
policy moderno		policy measures (which measures				
		are covered)?				
		b. Does the document tell us			e paper explains the effects of travel	
		about the impact of different		information on travel choice, especially when		
		transport policy measures on		(time and trip wise) individuals are most susceptible to change.		
		behaviour?		_		
		c. Does the document tell us		Yes, the paper also discusses the impact of trav information on attitudes.		
		about the impact of different				
		transport policy measures on				
		attitudes, including acceptability?		No		
		d. Does the document tell us about the distributional effects of		INO		
		different transport po measures?	тоу			
		e. Does the documer	nt tell us	No		
		about the impact of d				
		transport policy meas				
	emissions of different social					
		groups?				
PART C - ROBUST						
		ocument evidence	Based on 15 ye	ears of re	esearch so quite robust.	
based e.g. is it based on empirical research,						
	best practice or informed opinion;					
comment on any limitations acknowledged by authors; if research based, how representative						
is sample, are resu						
Method of publica						
(please specify if k						
Allerent Speeding in Ki			1			

PART A – BASIC	INFOF	RMATION					
Author(s)	Parkir	Parkin, J. Year of publication 2003					
Title/publication	Comp	Comparisons of Cycle Use for					
•	the Jo	ourney to Work from the '8	1, '91 and 2001 Cens	suses			
Context		of publication e.g. journa		,			
	book,	book chapter, working pa	per, report,				
		rence paper, response to g	government				
		ıltation					
		of study e.g. literature re	•		s data review		
		raphic – country, region,	city	UK			
	Sam	ole size (if relevant)					
PART B - FOCUS	3						
1. Different social		a. Does the document	tell us anything	No			
groups		about the reaction of o					
		groups to transport po	licy measures				
		(which groups are covere					
		b. Does the document		No			
		about travel problems	experienced by				
		the different social gro					
		also tell us how transp					
		measures might impac					
2. Different transp	port	a. Does the document tell us anything		Yes, prom	otion of cycling		
policy measures		about different transport policy		,  -	<b>,</b> - <b>9</b>		
poney moderne		measures (which meas					
		b. Does the document	,	Not sure a	s can only see the summ	arv	
		impact of different transport policy			,	,	
		measures on behaviour?					
		c. Does the document tell us about the		Not sure a	s can only see the summ	arv	
		impact of different transport policy				ω. <i>j</i>	
		measures on attitudes					
		acceptability?	, moraamig				
		d. Does the document	tell us about the	No			
		distributional effects of different		. 10			
		transport policy measu					
		e. Does the document tell us about the		No			
		impact of different tran					
		measures on CO <sub>2</sub> emis					
social groups?							
PART C – ROBUS	STNFS	<u> </u>					
			Not sure as can only	see the sur	mmary		
					·····•		
based e.g. is it based on empirical research, best practice or informed opinion;							
comment on any limitations acknowledged by							
authors; if research based, how representative							
is sample, are resu							
Method of publica		eview					
(please specify if k	nown)						
• •							

PART A – BASIC	INFO	RMATION			
Author(s)	Sarah	n E. West			Year of publication 2002
Title/publication	Distrik	Distributional effects of alternative vehicle pollution control policies			
Context		of publication e.g. jour		article,	Journal of Public Economics Volume 88,
		book chapter, working p			<u>Issues 3-4</u> , March 2004, Pages 735-757
		rence paper, response to Iltation	o government		
		of study e.g. literature i	raviaw survav		Evidence base review
		graphic – country, regior			US
		ple size (if relevant)	i, Oily		7,000 households
PART B – FOCUS		oro orzo (m rorovarny			,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,
1. Different social		a. Does the documer	nt tell us	Yes, it	describes the effects of transport policy
groups		anything about the re			res on low income households
		different social group			
		policy measures (whi	ch groups are		
		covered)?			
		b. Does the documer			
		anything about travel			
		experienced by the a			
		groups? If so, does it			
		how transport policy might impact on then			
2 Different trans	n o kt			Voc. to	x on petrol and subsidising new vehicles.
2. Different transpolicy measures	port	a. Does the document tell us anything about different transport		165, la	ix on petrol and subsidising new vehicles.
policy lileasures		policy measures (which measures			
		are covered)?			
		b. Does the document tell us about the impact of different transport policy measures on		Yes the	e effects of the above policies on low
				income households	
		behaviour?			
		c. Does the document tell us about the impact of different transport policy measures on attitudes, including acceptability? d. Does the document tell us about the distributional effects of		Yes the effects of the above policies on low income households	
		different transport po			
		measures?	- <i>)</i>		
		e. Does the documer	nt tell us	No	
		about the impact of c	different		
		transport policy meas	sures on CO <sub>2</sub>		
		emissions of differen	t social		
		groups?			
PART C - ROBUST			Many mah	baca-l	7 000 bouggbolds
To what extent is the document evidence based e.g. is it based on empirical research,			very robust as	pased 0	n 7,000 households
best practice or inf					
comment on any limitations acknowledged by					
authors; if research	n base	d, how representative			
is sample, are resu					
Method of publica		<b>eview</b>			
(please specify if k	nown)				

PART A – BASIC	PART A – BASIC INFORMATION					
Author(s)	Heffner R.R., Kurani K.S. Turrentine T.S		Year of publication 2007			
Title/publication	Symbolism in California's Early Market for Hybrid Electric Vehicles					
Context	Type of publication e.g. journal article, other book, book chapter, working paper, report, conference paper, response to government consultation	er article,				
	Type of study e.g. literature review, survey		In-depth interviews			
	Geographic – country, region, city		US			
	Sample size (if relevant)					
PART B – FOCUS						
1. Different social groups		al s	Yes it describes the reaction of different social groups to electric vehicles.			
	b. Does the document tell us anyth about travel problems experienced the different social groups? If so, of also tell us how transport policy measures might impact on them?	d by	No			
2. Different transp						
policy measures	about different transport policy		Yes, electric vehicles			
	measures (which measures are cover b. Does the document tell us about impact of different transport policy measures on behaviour?  c. Does the document tell us about impact of different transport policy measures on attitudes, including	t the	Yes, the paper tries to explain why people are attracted and purchase electric vehicles.  Yes, the paper tries to explain why people are attracted to electric vehicles			
	acceptability?					
	d. Does the document tell us about distributional effects of different transport policy measures?	t the	No			
	e. Does the document tell us abou impact of different transport policy measures on CO <sub>2</sub> emissions of diff social groups?		No			
PART C – ROBUS						
To what extent is the document evidence based e.g. is it based on empirical research, best practice or informed opinion; comment on any limitations acknowledged by authors; if research based, how representative is sample, are results interim?  Method of publication review			n 25 in –depth interviews with owners of vehicles so not extremely robust			
(please specify if ki	nown)					

PART A – BASIC	INFORMATION							
Author(s)	Ian Shergold & Dr Graham Parkhurst	Year of publication 2009						
Title/publication	The Treatment of Social and Distributional Impac	The Treatment of Social and Distributional Impacts in Appraisal and Evaluation.						
Context	Type of publication e.g. journal article, other article, book, book chapter, working paper, report, conference paper, response to government consultation	For DfT						
	Type of study e.g. literature review, survey	Literature review						
	Geographic – country, region, city	UK						
	Sample size (if relevant)							
PART B - FOCUS								
1. Different socia groups	a. Does the document tell us anything about the reaction of different social groups to transport policy measures (which groups are covered)?	The aim of the research is to gain a better understanding of the range of SDIs arising from transport schemes.  The groups considered are:  Low income groups  Young people  Old people  Minorities						
	b. Does the document tell us anything about travel problems experienced by the different social groups? If so, does it also tell us how transport policy measures might impact on them?	Yes, the above mentioned groups.						
2. Different transport policy measures	a. Does the document tell us anything about different transport policy measures (which measures are covered)?	No						
	b. Does the document tell us about the impact of different transport policy measures on behaviour?	No						
	c. Does the document tell us about the impact of different transport policy measures on attitudes, including acceptability?	No						
	d. Does the document tell us about the distributional effects of different transport policy measures?	The transport scheme effects the research is concentrating on are:						
	e. Does the document tell us about the impact of different transport policy measures on CO <sub>2</sub> emissions of different social groups?	No						
PART C - ROBUS								
on empirical resear comment on any li based, how represe	the document evidence based e.g. is it based rch, best practice or informed opinion; mitations acknowledged by authors; if research entative is sample, are results interim?	Very robust as DfT research						
Method of publication (please specify if k		On DfT website						

PART A – BASIC	INFO	RMATION				
Author(s)	O' Ga	arra T., Mourato S. Pearson P.		Year of publication 2004		
Title/publication		ysing awareness and Acceptability	of Hvo			
	Study		-,`	<u> </u>		
Context	_	of publication e.g. journal article, other a	article.			
		book chapter, working paper, report,	,			
		rence paper, response to government				
		ultation				
	Type	of study e.g. literature review, survey		Survey		
		graphic – country, region, city		UK		
		ole size (if relevant)		400		
PART B – FOCUS		0.00 0.00 (1. 10.010.10)				
1. Different social		a. Does the document tell us	Yes a	wareness to hydrogen by:		
groups	•	anything about the reaction of		Gender		
groups		different social groups to transport		ge		
		policy measures (which groups are		ducation		
		covered)?		nvironmental knowledge		
		b. Does the document tell us	_	viioiiiioiikai kiiowioago		
			No			
		anything about travel problems	140			
		experienced by the different social				
		groups? If so, does it also tell us				
		how transport policy measures				
		might impact on them?				
2. Different transp	port	a. Does the document tell us	Hydro	ogen fuel		
policy measures		anything about different transport				
		policy measures (which measures				
		are covered)?	Yes			
		b. Does the document tell us about				
		the impact of different transport policy measures on behaviour?  c. Does the document tell us about the impact of different transport policy measures on attitudes, including acceptability?		Attitudes to Hydrogen fuel of the above groups		
		d. Does the document tell us about	No			
		the distributional effects of different				
		transport policy measures?				
		e. Does the document tell us about	No			
		the impact of different transport				
		policy measures on CO2 emissions				
		of different social groups?				
PART C - ROBUS	STNES					
To what extent is	the d	ocument evidence Large sample so	quite	robust		
		empirical research,				
best practice or inf	ormed	opinion;				
comment on any lin	mitatio	ns acknowledged by				
		d, how representative				
is sample, are resu						
Method of publication		eview				
(please specify if k	nown)					

PART A – BASIC	PART A – BASIC INFORMATION					
Author(s)	Zia V	Vadud, Robert B. Nolai	nd and Daniel J. (	Graha	am Year of publication 2008	
Title/publication	Equity	y analysis of personal tra	dable carbon perm	its for	the road transport sector.	
Context	Туре	of publication e.g. jour	nal article, other art	ticle,		
	book,	book chapter, working p	aper, report,			
		rence paper, response to	o government			
		ultation				
		of study e.g. literature i			Literature review + model	
		graphic – country, region	n, city		US	
		ole size (if relevant)				
PART B – FOCUS	<u> </u>					
1. Different social groups	l	a. Does the documer anything about the re different social group	eaction of		, the paper investigates the effects of sonal carbon trading on different income ups.	
		policy measures (which covered)?	ch groups are			
		b. Does the documer		No		
		anything about travel				
		experienced by the d				
		groups? If so, does it				
		transport policy meas	sures might			
		impact on them?				
2. Different transp	oort	a. Does the document tell us		.,		
policy measures		anything about different transport		Yes,	, the policy of personal carbon trading	
		policy measures (which measures are covered)?				
		b. Does the document tell us about		Yes the impact of personal carbon trading on		
		the impact of different transport		trave	el behaviour.	
		policy measures on behaviour?				
		c. Does the document tell us about		No		
		the impact of different transport				
		policy measures on attitudes,				
		including acceptability?				
		d. Does the document tell us about			the impact of personal carbon trading on	
		the distributional effe		airre	erent income groups	
		transport policy measures?  e. Does the document tell us about		Var		
				Yes		
		the impact of differen	•			
			CO <sub>2</sub> emissions			
DADT C DODUC	of different social groups?  PART C – ROBUSTNESS					
			Paper appears to	2000	se a large number of articles so seems	
To what extent is the document evidence based e.g. is it based on empirical research,			quite robust	asses	ss a large number of articles so seems	
	best practice or informed opinion;					
	comment on any limitations acknowledged by					
	authors; if research based, how representative					
is sample, are resu						
Method of publica		review			-	
(please specify if k	nown)					

PART A – BASIC	INFOF	RMATION			
Author(s)	T Litm	nan		Year of publication 2002	
Title/publication	Evalu	uating Transportation Equity Guidan	ce Fo		
		cts in Transportation Planning			
Context		of publication e.g. journal article, other ar	rticle,		
		book chapter, working paper, report,			
		rence paper, response to government			
		ultation ""			
		of study e.g. literature review, survey		Canada / LIC	
		graphic – country, region, city		Canada / US	
DADT D. FOCUS	Samp	ole size (if relevant)		Literature review	
PART B – FOCUS  1. Different social	. 1	a. Does the document tell us	Yes:		
	•		165.	● Age	
groups		anything about the reaction of different social groups to transport		Gender	
		policy measures (which groups are		High /Low income	
		covered)?		• Ethnicity	
		b. Does the document tell us		·	
		anything about travel problems	Yes	see above	
		experienced by the different social	100 000 00000		
		groups? If so, does it also tell us how			
		transport policy measures might			
		impact on them?			
2. Different transp	port	a. Does the document tell us	Yes,	road user charging, parking fees and	
policy measures		anything about different transport		ssions fees and improved PT	
,		policy measures (which measures are			
		covered)?			
		b. Does the document tell us about	Yes		
		the impact of different transport			
		policy measures on behaviour?			
		c. Does the document tell us about	No		
		the impact of different transport			
		policy measures on attitudes,			
		including acceptability?	.,		
		d. Does the document tell us about		it describes the distributional effects from	
		the distributional effects of different	a iai	ge number of policies in a table.	
		transport policy measures?	No		
		e. Does the document tell us about the impact of different transport	INU		
		ne impact of different transport policy measures on CO₂emissions			
		of different social groups?			
PART C – ROBUS	STNFS	<u> </u>			
		ocument evidence based e.g. is it	Discus	sses a large amount of literature so it	
based on empirical research, best practice or informed				ars to be very robust	
opinion;		,		•	
comment on any lii	comment on any limitations acknowledged by authors; if				
	research based, how representative is sample, are results				
interim?	-41 ·		late	-+0	
Method of publication		eview	Intern	etf	
(please specify if k	nown)				

PART A – BASIC	INFORI	MATION				
Author(s)	T Litm				Year of publication 2009	
Title/publication		ting Transportation A	ffordability			
Context	Type o	of publication e.g. journ book chapter, working p ence paper, response to	nal article, other aper, report,	article,		
	consult		government			
		of study e.g. literature r	review, survey			
		aphic – country, region			US	
		e size (if relevant)	· •		Literature review	
PART B – FOCUS	,	, ,				
Different social groups		a. Does the documer anything about the re different social group policy measures (white covered)?	eaction of s to transport ch groups are	measu	looks at the impact of transport policy res on different income groups.	
		b. Does the documer anything about travel experienced by the d groups? If so, does it how transport policy might impact on then	I problems differer differer differer differer differer differer		explains the true costs of transport for nt income groups and people living in nt areas (inner urban / suburban etc).	
2. Different transport policy measures		a. Does the document tell us anything about different transport policy measures (which measures are covered)?		Yes Pt improvement, sustainable modes, RUC and other financial incentives		
		<ul> <li>b. Does the documer about the impact of a transport policy meas behaviour?</li> </ul>	lifferent	Yes im	pact of the above on behaviour	
		c. Does the document tell us about the impact of different transport policy measures on attitudes, including acceptability?		No		
		d. Does the document tell us about the distributional effects of different transport policy measures?		Yes		
		e. Does the document tell us about the impact of different transport policy measures on CO <sub>2</sub> emissions of different social groups?		No		
PART C - ROBUS	STNESS	6				
To what extent is the document evidence based e.g. is it based on empirical research, best practice or informed opinion; comment on any limitations acknowledged by authors; if research based, how representative is sample, are results interim?						
Method of publication (please specify if kills)		view	Internet?			

PART A – BASIC	INFO	RMATION				
Author(s)	Gard	iner C. & Hill R.		Year of publication 1997		
Title/publication	Socio Reco	'Cycling on the Journey to Work: Analysis of Socioeconomic Variables from the UK 1991 Population Census Samples of Anonymised Records				
Context	book, confe	of publication e.g. journal arti book chapter, working paper, r rence paper, response to gover ultation	eport,			
	Туре	of study e.g. literature review,	survey	Survey based on 1991 census (11 cities) also literature review of other studies about cycling and minority groups.		
		graphic – country, region, city		UK		
		ole size (if relevant)				
PART B – FOCUS						
1. Different socia groups	l	a. Does the document tell unabout the reaction of difference groups to transport policy results (which groups are covered)?	ent social	Yes it tells us about cycling to work amongst:      Gender     Ethnicity     Education     Social class		
		b. Does the document tell us anything about travel problems experienced by the different social groups? If so, does it also tell us how transport policy measures might impact on them?		Yes, it explores low cycling rates amongst specific groups such as ethnic minorities		
2. Different transpolicy measures	port	a. Does the document tell us anything about different transport policy measures (which measures are covered)? b. Does the document tell us about the		Cycle promotion policies  Yes, it contests some basic ideas about		
		impact of different transpor measures on behaviour?	t policy	cycle policies such as that increased cycle provision increases cycling.		
		c. Does the document tell us about the impact of different transport policy measures on attitudes, including acceptability?		No		
		d. Does the document tell us about the distributional effects of different transport policy measures?		No but states that impact of any cycling policies need measuring by group.		
		e. Does the document tell us about the impact of different transport policy measures on CO <sub>2</sub> emissions of different social groups?		No		
PART C - ROBUS						
To what extent is the document evidence based e.g. is it based on empirical research, best practice or informed opinion; comment on any limitations acknowledged by authors; if research based, how representative is sample, are results interim?			g statistics in 11 British cities and extensive rch so quite robust.			
Method of publication (please specify if k		review				

PART A – BASIC	INFO	RMATION					
Author(s)	ODPI	Л			Year of publication 2005		
Title/publication	Tack	Tackling Social Inclusion through New Technologies					
Context	book, confe	of publication e.g. journ book chapter, working pa rence paper, response to ultation	aper, report,	article,			
	Туре	of study e.g. literature re	eview, survey		Literature review		
		graphic – country, region,			UK		
		ole size (if relevant)					
PART B – FOCUS							
1. Different socia groups	l	a. Does the document anything about the readifferent social groups policy measures (whice covered)?	action of s to transport h groups are	group	It explains about ICT and different social		
		b. Does the document anything about travel perpensed by the distribution of the distri	ravel problems the different social pes it also tell us plicy measures		it explains access problems to ICT for nt social groups.		
2. Different transpolicy measures	oort	a. Does the document anything about differe policy measures (which are covered)?	nt transport h measures	ICT	: 10 <del>-</del>		
		b. Does the document tell us about the impact of different transport policy measures on behaviour?		No but it does explain that via ICT personal development and active inclusion in employment, social groups, and community participation can be achieved without the need to travel.			
		c. Does the document about the impact of di- transport policy meast attitudes, including ac	fferent ures on	It expla groups	ains attitudes to ICT for different social		
		d. Does the document tell us about the distributional effects of different transport policy measures?		See above, ICT can help reduce transport problems for different groups			
		e. Does the document about the impact of di- transport policy meast emissions of different groups?	fferent ures on CO2	No			
PART C - ROBUS	PART C – ROBUSTNESS						
To what extent is the document evidence based e.g. is it based on empirical research, best practice or informed opinion; comment on any limitations acknowledged by authors; if research based, how representative is sample, are results interim?  Method of publication review							
(please specify if k		CAICAA					

PART A – BASIC	INFOF	RMATION			
Author(s)		w, Pridmore, Tight, May, Berkhout and	Harris	S	Year of publication 2004
Title/publication	How o	can we reduce carbon emissions from	transp	ort?	-
Context	Type of publication e.g. journal article, other art book, book chapter, working paper, report, conference paper, response to government consultation				
		Type of study e.g. literature review, survey			Expert interviews, household survey, calculations and estimations
	Geog	raphic – country, region, city			UK
	_	ole size (if relevant)			
PART B - FOCUS	•				
1. Different social groups		a. Does the document tell us anything about the reaction of different social groups to transpor policy measures (which groups are covered)?		No	
		b. Does the document tell us anything about travel problems experienced by the different social groups? If so, does it also tell us the transport policy measures might impact on them?	ı	No	
2. Different transport policy measures		a. Does the document tell us anything about different transport policy measures (which measures are covered)?		•	Road Pricing Fuel Pricing Public Transport Telecommunications Land use Technology
		b. Does the document tell us about the impact of different transport policy measures on behaviour?  c. Does the document tell us about the impact of different transport policy measures on attitudes,	ıt	Co2 Yes,	s, it calculates expected effects of the main 2 reduction measures s, the household survey explored attitudes to ous climate change measures
		including acceptability?  d. Does the document tell us about		No	
		the distributional effects of different transport policy measures?  e. Does the document tell us about			
the impact of different transport policy measures on CO₂ emissions of different social groups?		s			
PART C – ROBUS			I		
To what extent is the document evidence based e.g. is it based on empirical research, best practice or informed opinion; comment on any limitations acknowledged by authors; if research based, how representative is sample, are results interim?				rent ı	earch appears to be robust due to the methods and the large amount of data
Method of publication (please specify if killing)		eview			

PART A – BASIC	INFO	RMATION				
Author(s)	Skinn	er I, Fergusson, Kroeger	K., Kelly C., Bris	stow A,	Year of publication 2004	
Title/publication	Critica	al Issues in Decarbonisin	g Transport:			
Context		of publication e.g. jour		article,		
		book chapter, working p				
		rence paper, response to	o government			
		ıltation of study e.g. literature ı	roviow curvov		Literature review and consultation with	
	ιyρ <del>c</del>	or study e.g. illerature i	eview, Survey		experts	
	Geod	graphic – country, regior	n, city		UK	
		ple size (if relevant)	· •			
PART B – FOCUS		, , , , , , , , , , , , , , , , , , ,				
1. Different socia	l	a. Does the documer	nt tell us	No		
groups		anything about the re	eaction of			
		different social group	s to transport			
		policy measures (whi	ch groups are			
		covered)?		NI.		
		b. Does the documer		No		
		anything about trave	,			
		experienced by the o				
		groups? If so, does it				
		how transport policy				
O Different trans		might impact on then		Voor		
2. Different trans	port	a. Does the documer		Yes:	Iternative fuels	
policy measures		anything about difference (whi	•	• IT		
		policy measures (whi	crimeasures	• IC		
		b. Does the documer	nt tell us		tries to predict the effects of new	
		about the impact of o			logies (ICT, alternative fuels, ITS) on CO2	
		transport policy meas		reducti	on	
		behaviour?				
		c. Does the documer	nt tell us		tries to predict the effects of new	
		about the impact of d	lifferent		logies (ICT, alternative fuels, ITS) on	
		transport policy meas		attitudes		
		attitudes, including a	<del></del>			
		d. Does the documer		No		
		about the distribution				
		different transport po	licy			
		measures? e. Does the documer	at tall	No		
				INU		
		about the impact of contract transport policy measures.				
		emissions of differen	_			
		groups?	i Jouan			
PART C - ROBUS	STNES			l .		
		ocument evidence	The research a	ppears 1	to be robust due to the different methods	
		empirical research,			f data analysed	
best practice or inf	ormed	opinion;				
		ns acknowledged by				
		d, how representative				
is sample, are resu Method of public						
(please specify if k		CAICAA				
Apicase specify if K			<u> </u>			

PART A - BASIC	INFORMATION		
Author(s)	TRL		Year of publication 2009
Title/publication	Mapping the life cycle, environme	nt impacts, inter	erventions and tradeoffs for cars
Context	Type of publication e.g. journal book, book chapter, working paper conference paper, response to go consultation	er, report,	rticle,
	Type of study e.g. literature review	ew survey	Consultation with experts
	Geographic – country, region, cit		UK
	Sample size (if relevant)	.9	
PART B – FOCUS	, , ,		
1. Different socia		ell us	No
groups	anything about the react different social groups to policy measures (which of covered)?	tion of o transport groups are	
	b. Does the document to anything about travel pro experienced by the diffe groups? If so, does it als transport policy measure impact on them?	oblems rent social so tell us how	No
2. Different transpolicy measures	a. Does the document to anything about different policy measures (which r covered)?	transport	Yes,
	b. Does the document to the impact of different tra policy measures on beh	ansport	Yes, the paper describes CO2 impact reduction potential of the above measures but also social economic and environmental trade offs of these measures.
	c. Does the document to the impact of different to policy measures on attitu including acceptability?	ansport	Yes, the paper describes effects of the above measures on attitude
	d. Does the document to the distributional effects transport policy measure	of different	No
	e. Does the document to the impact of different tra policy measures on CO <sub>2</sub> of different social groups	ell us about ansport emissions	No
PART C - ROBUS			
based e.g. is it bas practice or informe comment on any lii	mitations acknowledged by n based, how representative is interim?		h appears to be robust due to the different d the large amount of data analysed
(please specify if k			

PART A – BASIC	INFOF	RMATION				
Author(s)	Aaron	Golub and Jason Kelly			Year of publication ?	
Title/publication		ring potential inequities betweens in the transportation sector	en the burde	ens and	benefits of climate change abatement	
Context	book, confe	of publication e.g. journal art book chapter, working paper, rence paper, response to gove ultation of study e.g. literature review	report, rnment	article,	Literature review	
		raphic – country, region, city	, survey		US / World wide	
		ole size (if relevant)			OG / World Wide	
PART B – FOCUS		ole dize (ii relevant)				
1. Different social groups		a. Does the document tell anything about the reaction different social groups to to policy measures (which grocovered)?	n of ransport	climat	t describes the distributional effects of te change abatement policies on high and come households.	
		b. Does the document tell anything about travel proble experienced by the different groups? If so, does it also how transport policy measuringht impact on them?	lems nt social tell us	No		
2. Different transport policy measures		a. Does the document tell us anything about different transport policy measures (which measures are covered)?		<ul> <li>Tax rebates for hybrid and alternative fuel vehicles.</li> <li>Rail transit projects</li> <li>High Occupancy vehicle lanes</li> <li>Rod user charging</li> </ul>		
		b. Does the document tell the impact of different transpolicy measures on behavior. Does the document tell the impact of different transpolicy measures on attituding acceptability?	sport iour? us about sport	No No		
		including acceptability?  d. Does the document tell us about the distributional effects of different transport policy measures?		metho answe	t describes the equity effects of abatement ods but it poses more questions than it ers.	
		e. Does the document tell the impact of different transpolicy measures on CO <sub>2</sub> erof different social groups?	sport			
PART C - ROBUS	_					
e.g. is it based on e or informed opinion comment on any lir authors; if research sample, are results	empirio n; nitatio n baseo interir				of previously published literature. It nan research in detail as well.	
Method of publication (please specify if ki		eview				

PART A – BASIC	INFO	RMATION					
Author(s)	Anab	le J., Boardman B. And Root A.		Year of publication 1997			
Title/publication	Trans	Transport Emissions Profiles					
Context	Type of publication e.g. journal article, other article, book, book chapter, working paper, report, conference paper, response to government consultation			ECI Report			
		of Study e.g. literature review, survey		Survey and focus groups			
		graphic – country, region, city		Chalgrove and Chalsey villages, South			
				Oxfordshire  99 car drivers in 44 households			
PART B – FOCUS		ple size (if relevant)		99 Car drivers in 44 flouseriolds			
1. Different socia		a. Does the document tell us	Vas -	- speculatively based on the recorded			
groups	ı	anything about the reaction of different social groups to transport policy measures (which groups are covered)?	behave evide Rural gende	viours of the survey sample and focus group nce. households, income, car ownership, age, er, economic activity status.			
		b. Does the document tell us anything about travel problems experienced by the different social groups? If so, does it also tell us how transport policy measures might impact on them?	It talks about constraints on behaviour change in terms of public transport, employment opportunities, escort journeys and short journeys.				
2. Different transpolicy measures	port	a. Does the document tell us anything about different transport policy measures (which measures are covered)?	respo	ers a driver emissions profile for each and considers the cold starts, speed, vehicle type, engine etc.			
		b. Does the document tell us about the impact of different transport policy measures on behaviour?	Yes -	- awareness raising and targeted advice			
		c. Does the document tell us about the impact of different transport policy measures on attitudes, including acceptability?	No				
		d. Does the document tell us about the distributional effects of different transport policy measures?	No				
		e. Does the document tell us about the impact of different transport policy measures on CO <sub>2</sub> emissions of different social groups?	Yes				
PART C - ROBUS							
based on empirical comment on any li	To what extent is the document evidence based e.g. is it based on empirical research, best practice or informed opinion; comment on any limitations acknowledged by authors; if research based, how representative is sample, are results interim?						
Method of publication (please specify if k		review		N/k			

PART A – BASIC	INFO	RMATION				
Author(s)		s D. For the RAC Found			Year of publication 2009	
Title/publication	RAC	Foundation (2009) Low	/ Income Motorin	g in the L	JK	
Context	book, confe	of publication e.g. jour book chapter, working p rence paper, response to Iltation	aper, report,	article,	Web-based report	
		of study e.g. literature i	review. survev		NTS analysis	
		graphic – country, region			UK wide	
		ole size (if relevant)	.,,		Sub-sample of NTS	
PART B – FOCUS		(		<u> </u>	·	
1. Different social groups		a. Does the document anything about the redifferent social group policy measures (white covered)?  b. Does the document anything about traveled experienced by the orgoups? If so, does it	eaction of os to transport ich groups are nt tell us el problems different social drive		a broken down analysis of low income behaviours by: Type of family Tenure Ethnicity Access difficulties Health difficulties r ownership affects journeys – distances inber of trips and travel spending.	
2. Different transpolicy measures	port	how transport policy measures might impact on them?  a. Does the document tell us anything about different transport policy measures (which measures		Motoring tax measures		
		are covered)?  b. Does the documer about the impact of contransport policy means behaviour?	nt tell us lifferent sures on		ly through the data	
		about the impact of different transport policy measures on attitudes, including acceptability?  d. Does the document tell us		No		
				Yes the driving o	likely distributional impacts of increased costs	
		e. Does the documer about the impact of of transport policy meas emissions of differen groups?	lifferent sures on CO <sub>2</sub>	No		
PART C - ROBUS	STNES					
To what extent is the document evidence based e.g. is it based on empirical research, best practice or informed opinion; comment on any limitations acknowledged by authors; if research based, how representative is sample, are results interim?			a analysis	s of NTS and FES		
Method of publication (please specify if k		eview	None			

PART A – BASIC	INFO	RMATION				
Author(s)	Bran	d C.			Year of publication	
Title/publication	Pers	onal Travel and Clima	ate Change		<u> </u>	
Context	book, confe	of publication e.g. journ book chapter, working p rence paper, response to Iltation	aper, report,	article,	Book (based on PhD research)	
	Туре	of study e.g. literature r	review, survey		Survey and model	
		graphic – country, region			Oxfordshire	
		ole size (if relevant)	•		900 households	
PART B – FOCUS	;					
1. Different social groups		a. Does the documer anything about the re different social group policy measures (white covered)?	eaction of s to transport ch groups are	by mod	e, gender, age, household composition – all de	
		b. Does the documer anything about travel experienced by the d groups? If so, does it how transport policy might impact on then	l problems lifferent social t also tell us measures n?	No		
2. Different transpolicy measures	port	a. Does the document tell us anything about different transport policy measures (which measures are covered)?  b. Does the document tell us		By implication by looking at who emits what in terms of Co2 and so who will be affected by different measures  By implication by looking at different behaviours		
		about the impact of o transport policy meas behaviour?	lifferent sures on	and wh	no does what	
		c. Does the document tell us about the impact of different transport policy measures on attitudes, including acceptability?		No		
		d. Does the documer about the distribution different transport po measures?	al effects of	Yes		
		e. Does the documer about the impact of o transport policy meas emissions of different groups?	lifferent sures on CO <sub>2</sub>	Yes		
PART C - ROBUS						
To what extent is the document evidence based e.g. is it based on empirical research, best practice or informed opinion; comment on any limitations acknowledged by authors; if research based, how representative is sample, are results interim?		Empirical study				
Method of publication review (please specify if known)			Validated throu	igh PhD	examination	

PART A – BASIC	INFO	RMATION							
Author(s)		rman, M. J. Douglas, L. Conway, P. Nob	le and	P.	Year of publication	2003			
Title/publication		Hanlon  Transport policy and health inequalities: a health impact assessment of Edinburgh's							
Title/publication		transport policy.							
Context		of publication e.g. journal article, other	article	, Journa	I – Public Policy				
		book chapter, working paper, report,							
		conference paper, response to government consultation							
		of study e.g. literature review, survey		Health	Impact Assessment with I	(ev			
	1,700	or clady e.g. meralare review, carrey			sional stakeholders	,			
	Geog	graphic – country, region, city		Edinbu	rgh, Scotland				
		ple size (if relevant)		n/a					
PART B – FOCUS									
1. Different socia	I	a. Does the document tell us	Yes I	out based	on stakeholder perception	s only			
groups		anything about the reaction of							
		different social groups to transport							
		policy measures (which groups are							
		covered)? b. Does the document tell us	Voc	hacad ar	n literature review				
			165 -	- based oi	i illerature review				
		anything about travel problems experienced by the different social							
		groups? If so, does it also tell us							
		how transport policy measures							
		might impact on them?							
2. Different trans	nort	a. Does the document tell us	Yes -	- based or	n literature review				
policy measures	port	anything about different transport	. 00	54554 51	THIOTALAN O TO VIOL				
policy illeadares		policy measures (which measures							
		are covered)?							
		b. Does the document tell us	Yes – based on the perceptions of the						
		about the impact of different	professional stakeholders involved						
		transport policy measures on							
		behaviour?							
		c. Does the document tell us	No						
		about the impact of different							
		transport policy measures on							
		attitudes, including acceptability?  d. Does the document tell us	No						
		about the distributional effects of	INO						
		different transport policy							
		measures?							
		e. Does the document tell us	No						
		about the impact of different							
		transport policy measures on CO <sub>2</sub>							
		emissions of different social							
		groups?							
PART C - ROBUS		· <del>-</del>		_					
		ocument evidence based e.g. is it		nformed o	pinion				
		rch, best practice or informed opinion	;						
		ns acknowledged by authors; if resentative is sample, are results							
interim?	w iehi	esemanive is sample, are results							
Method of public	ation i	eview	F	Peer reviev	N				
(please specify if k									
					<del></del>				

PART A – BASIC	INFO	RMATION							
Author(s)		anen e., Johnson M., Robinson S., Vac	dvics	ε E.,		Year of publication	2009		
		Saastamoinen M.							
Title/publication		Low carbon communities as a context for individual behaviour change  Type of publication e.g. journal article, other article. Journal article							
Context		of publication e.g. journal article, other	er ar	ticle,	Journal	article			
		book chapter, working paper, report,							
		conference paper, response to government consultation							
		of study e.g. literature review, survey			Case st	udies			
		graphic – country, region, city				ester, WWF green office,	Hungary		
	Goog	grapino country, region, only			San Fra		. idiigai y,		
	Sam	ple size (if relevant)			4 case s				
PART B - FOCUS		,							
1. Different social		a. Does the document tell us		Differe	ent comm	nunities of place and ider	ntity		
groups		anything about the reaction of							
-		different social groups to transport	t						
		policy measures (which groups are							
		covered)?							
		b. Does the document tell us		No					
		anything about travel problems							
		experienced by the different social	/						
		groups? If so, does it also tell us							
		how transport policy measures							
		might impact on them?							
2. Different transp	oort	a. Does the document tell us			Regulation and incentives, education and awareness raising; community management of environmental resources, moral and ethical principles.  It identifies how community –based actions can help to support behaviour change in different				
policy measures		anything about different transport policy measures (which measures are covered)?  b. Does the document tell us about							
		the impact of different transport		types of communities.			iereni		
		policy measures on behaviour?					t the		
		c. Does the document tell us about					une		
		the impact of different transport		Community level					
		policy measures on attitudes, including acceptability?							
		d. Does the document tell us abou	1+	No					
		the distributional effects of differen		140					
		transport policy measures?	"						
		e. Does the document tell us abou	ıt	It talks	s about th	ne impact of different cor	nmunity		
		the impact of different transport				d participation type meas			
		policy measures on CO <sub>2</sub> emission			eduction				
of different social groups?									
PART C - ROBUS	STNES	· ·							
		ocument evidence based e.g. is	Em	pirical	evidence	е			
		earch, best practice or informed							
opinion;									
		ns acknowledged by authors; if							
	w repr	resentative is sample, are results							
interim?		versions	Da	ا ملطات	lind nas:	rovious			
Method of publications and if the			וסט	ubie b	lind peer	review			
(please specify if k	iiown)								

PART A – BASIC	INFOR	MATION						
Author(s)	Suzar Alan W	ne King, Mark Dyball, 1 orley, Jennifer DeWitt	_			Year of publication	2009	
Title/publication	Exploring public attitudes to climate change and travel choices: deliberative research							
Context	Type of publication e.g. journal article, other article, book, book chapter, working paper, report, conference paper, response to government consultation			ticle, [	icle, DfT Report			
	Type o	of study e.g. literature i	review, survey		Delibera	ative surveys and travel d	iaries	
	Geogr	aphic – country, region	n, city					
		le size (if relevant)	-	1	150 peo	ple in 5 locations		
PART B - FOCUS	3							
1. Different socia groups		a. Does the documer anything about the re different social group policy measures (white covered)?	eaction of es to transport	A-E		ited and data analysed b and gender	y SEGs	
		b. Does the documer anything about travel experienced by the or groups? If so, does it transport policy meas impact on them?	l problems lifferent social t also tell us how	It talks about how travel behaviours might affected by travel planning, walking and comeasures, improved public transport, vehicles and air tax.				
2. Different transp	port	a. Does the document tell us		As for	1b abo	ve		
policy measures		anything about different transport policy measures (which measures are covered)?						
		b. Does the document tell us about the impact of different transport policy measures on behaviour?		Mostly information provision				
		c. Does the document tell us about the impact of different transport policy measures on attitudes, including acceptability?  d. Does the document tell us about the distributional effects of different transport policy measures?			It covers attitudes to climate change and			
		e. Does the document tell us about the impact of different transport policy measures on CO <sub>2</sub> emissions of different social groups?		Yes anecdotally about the impact of different communication messages on travel behavious and attitudes				
PART C - ROBUS								
authors; if research is sample, are resu	sed on e formed o mitation h based lits inter	empirical research, opinion; s acknowledged by , how representative im?	Empirical study					
Method of publication (please specify if k		eview						

PART A – BASIC	INFO	RMATION					
Author(s)	Tim K Webs	night, Josie Dixon, Martha Warrener and ter	l Stephe	en	Year of publication	2007	
Title/publication	Unde	Understanding the travel needs, behaviour and aspirations of people in later life					
Context	Type of publication e.g. journal article, other artic book, book chapter, working paper, report, conference paper, response to government consultation		article,	DfT rep	ort		
		of Study e.g. literature review, survey		In-donti	n interviews		
		graphic – country, region, city		ін асры	T ITILOT VICWS		
	,	ple size (if relevant)					
PART B – FOCUS		Die Size (ii Teievant)					
1. Different social		a. Does the document tell us	Older	neonle in	four age groups: 50-59 ye	ears old	
groups		anything about the reaction of different social groups to transport policy measures (which groups are covered)?	60- 69 and o	years old ver.	d, 70-79 years old and 80	years old	
		b. Does the document tell us anything about travel problems experienced by the different social groups? If so, does it also tell us how transport policy measures might impact on them?	Experiences of different forms of transport at different stages of older age from post retirement to over 80 years				
2. Different transp	port	a. Does the document tell us	•	Cost re	duction		
policy measures		anything about different transport policy measures (which measures are covered)?	•		cessation sionary fares		
		b. Does the document tell us about the impact of different transport policy measures on behaviour?	•	Isolatio	I activity patterns nence and independence		
		c. Does the document tell us about the impact of different transport policy measures on attitudes, including acceptability?	Yes (a	as for 2a a	above)		
		d. Does the document tell us about the distributional effects of different transport policy measures?	No				
		e. Does the document tell us about the impact of different transport policy measures on CO <sub>2</sub> emissions of different social groups?	No				
PART C - ROBUS	STNES						
To what extent is based on empirical comment on any lin based, how represent	To what extent is the document evidence based e.g. is it based on empirical research, best practice or informed opinion; comment on any limitations acknowledged by authors; if research based, how representative is sample, are results interim?						
Method of publication (please specify if k		review		Not know	n		

PART A – BASIC	INFO	RMATION			
Author(s)	Litma	n T.		Year of publication 2004	
Title/publication			s for F	Reducing Transportation Emissions in the	
		er River Basin		T	
Context		of publication e.g. journal article, other	r article, Web-based report		
		book chapter, working paper, report,			
		rence paper, response to government			
		ultation		Case study review	
		of study e.g. literature review, survey		Case study review  Canada (Fraser River Basin)	
		graphic – country, region, city		N/a	
DADT D. FOCUS		ple size (if relevant)		IN/a	
PART B – FOCUS		a Daga tha daguna ant tall us	It lool	co at the likely equity imposts of different	
1. Different socia	ı	a. Does the document tell us	strate	ks at the likely equity impacts of different	
groups		anything about the reaction of	Sirale	gies	
		different social groups to transport			
		policy measures (which groups are			
		b. Does the document tell us	As ab	2010	
			AS at	oove	
		anything about travel problems			
		experienced by the different social groups? If so, does it also tell us			
		how transport policy measures			
		might impact on them?			
O Different transc		· ·	Morio	us multiplicate popular sourced uson position	
2. Different transp	port	anything about different transport trave		us public transport, car and van pooling, planning and land use measures are	
policy measures				includes across 24 case studies	
		policy measures (which measures are covered)?	molades doloss 24 dase stadies		
		b. Does the document tell us	Yes		
		about the impact of different	Tes		
		transport policy measures on behaviour?			
		c. Does the document tell us	Yes		
		about the impact of different			
		transport policy measures on			
		attitudes, including acceptability?			
		d. Does the document tell us	Equit	y effects	
		about the distributional effects of		,	
		different transport policy			
		measures?			
		e. Does the document tell us	No		
		about the impact of different			
		transport policy measures on CO2			
		emissions of different social			
		groups?			
PART C - ROBUS	STNES	SS			
		ocument evidence based e.g. is it		npirical study	
		rch, best practice or informed opinion	;		
		ns acknowledged by authors; if			
	w repi	resentative is sample, are results			
interim?	ation :	roviow	No	t known	
Method of publication			INO	I KIIOWII	
(please specify if k	HOWN)				

PART A – BA	SIC	INFORMATION					
Author(s)		Litman T.	Year of pu				
Title/publicati	ion	Evaluating Transportation Equity: Guida Transportation Planning		ional Impacts in			
Context	Type of publication e.g. journal article, other article, book, book chapter, working paper, report, conference paper, response to government consultation  Type of study e.g. literature review, survey  Geographic – country, region, city						
		Sample size (if relevant)					
PART B – FO	CUS	,					
1. Different		Does the document tell us anything	In terms of equity evaluation va	riables:			
social groups	ab gro	out the reaction of different social oups to transport policy measures (which oups are covered)?	<ul> <li>Demographics (age, ge group, family status, etc.)</li> <li>Income class.</li> <li>Geographic location.</li> <li>Ability (e.g., people with drivers, etc.).</li> <li>Mode (walkers, cyclists users, etc.).</li> <li>Vehicle type (cars, truckers, transmanufactures, etc.).</li> </ul>	nder, race, ethnic c.) n disabilities, licensed , motorists, bus ks, buses, etc.).			
	ab dif tel	Does the document tell us anything out travel problems experienced by the ferent social groups? If so, does it also I us how transport policy measures ght impact on them?	Trip type and value.  It identifies the following key policy impacts: Price or fare structure. Tax burdens. Transportation service quality. External costs (crash risk, congestion, pollution, etc.). Economic opportunity and development. Transport industry employment and business opportunities.				
2. Different transport policy measures	ab	Does the document tell us anything out different transport policy measures hich measures are covered)?	As for 1b above				
	im	Does the document tell us about the pact of different transport policy easures on behaviour?	Yes in terms of access to key so participate generally	ervices, ability to			
	im me ac	Does the document tell us about the pact of different transport policy easures on attitudes, including ceptability?	No				
	dis po	Does the document tell us about the stributional effects of different transport licy measures?	No				
	im me so	Does the document tell us about the pact of different transport policy easures on CO <sub>2</sub> emissions of different cial groups?	No				
PART C – RO							
research, best	prac	the document evidence based e.g. is it ctice or informed opinion; comment on any arch based, how representative is sample,	limitations acknowledged	Evaluation methodology			
		ation review (please specify if known)		Not known			

PART A – BASIC INFORMATION							
Author(s)	Litman T. Year of publication 2009						
Title/publication	Evalu	Evaluating Transport Affordability					
Context	book, confe	of publication e.g. jour book chapter, working p rence paper, response to litation	aper, report,	article,	Web-based report		
		of study e.g. literature i	review, survev		Methodology		
		graphic – country, regior			Canada		
		ole size (if relevant)	,		N/a		
PART B - FOCUS	,						
1. Different social groups	l	a. Does the document anything about the redifferent social group policy measures (white covered)?	eaction of es to transport ch groups are				
		b. Does the documer anything about traver experienced by the or groups? If so, does it how transport policy might impact on then	l problems lifferent social t also tell us measures n?				
2. Different transpolicy measures	oort	a. Does the document tell us anything about different transport policy measures (which measures are covered)?		Affordability			
		b. Does the documer about the impact of contract transport policy means behaviour?	different		ability		
		c. Does the documer about the impact of c transport policy meas attitudes, including a	different asures on				
					effects		
		e. Does the documer about the impact of of transport policy meas emissions of differen groups?	f different asures on CO <sub>2</sub>				
PART C - ROBUS	STNES	S					
To what extent is the document evidence based e.g. is it based on empirical research, best practice or informed opinion; comment on any limitations acknowledged by authors; if research based, how representative is sample, are results interim?		,	and evalı	uation methodology			
Method of publication (please specify if k		review	Not known				

PART A – BASIC	INFORMATION					
Author(s)	Lucas, K, Grosvenor, T, Simpson, R, Year of publication 2001					
Title/publication	Transport, the environment and soc	ial exclusion				
Context	Type of publication e.g. journal article book, book chapter, working paper, rep conference paper, response to governn consultation	ort,	Published report			
	Type of study e.g. literature review, su	ırvey	Literature review, focus groups, interviews with policy makers			
	Geographic – country, region, city		Bristol, Consett, Hastings, Liverpool, Lincolnshire			
	Sample size (if relevant)		12 groups			
PART B – FOCUS						
1. Different socia groups	a. Does the document tell us any about the reaction of different so groups to transport policy measu (which groups are covered)?	ocial	<ul> <li>Primary school children</li> <li>Young people 16-25</li> <li>Unemployed (men)</li> <li>Low income shift workers (women)</li> <li>People with physical disabilities</li> <li>Minority ethnic groups (Yemeni &amp; Chinese)</li> <li>Older people</li> <li>Poor people in affluent communities</li> </ul>			
	b. Does the document tell us any about travel problems experienc different social groups? If so, do tell us how transport policy meas might impact on them?	ed by the trace es it also	es about their experiences of public ansport in terms of suppressed travel needs, ost, driver behaviour, etc y implication - how these could be improved			
2. Different transport policy measures	a. Does the document tell us any about different transport policy n (which measures are covered)?	neasures cr	oncessionary fares, walking and cycling, rime reduction measures, local planning and ongestion charging (Bristol only)			
	b. Does the document tell us about impact of different transport policy measures on behaviour?		necdotally only			
	c. Does the document tell us about impact of different transport policy	c. Does the document tell us about the impact of different transport policy measures on attitudes, including				
	d. Does the document tell us about distributional effects of different apolicy measures?	transport				
	impact of different transport police measures on CO₂ emissions of consocial groups?	on CO₂ emissions of different				
PART C - ROBUS						
e.g. is it based on e informed opinion; comment on any lin authors; if research sample, are results	empirical research, best practice or mitations acknowledged by a based, how representative is interim?	Empirical evide				
Method of publication (please specify if k		Advisory Grou	р			

PART A – BASIC	INFOF	RMATION				
Author(s)		and Jones		Ye	ear of publication	2009
Title/publication	The 0	Car in British Society				
Context	book,	e of publication e.g. journal article, other article, book chapter, working paper, report, erence paper, response to government			eport	
		of study e.g. literature review, survey			eview, data analysis, f erviews with policy ma	
	Geog	raphic – country, region, city			G's Banbury and Notti	
		ole size (if relevant)		5 focus grou	ups	
PART B - FOCUS	;					
1. Different social groups		a. Does the document tell us anything about the reaction of different social groups to transport policy measures (which groups are covered)?	Data a groups	with: Older driver Young drive Banned driv	ers vers node switchers	s focus
		b. Does the document tell us anything about travel problems experienced by the different social groups? If so, does it also tell us how transport policy measures might impact on them?			Nottingham in relation	n to
2. Different transpolicy measures	oort	a. Does the document tell us anything about different transport policy measures (which measures are covered)?	3 scenarios     Increased petrol costs     Congestion charging     Travel rationing (PCTs)  Anecdotally only and inconclusively			
		b. Does the document tell us about the impact of different transport policy measures on behaviour?	Affecto	otany omy am	a inconclusively	
		c. Does the document tell us about the impact of different transport policy measures on attitudes, including acceptability?	Yes			
		d. Does the document tell us about the distributional effects of different transport policy measures?			e extrapolated from the ertain degree of accur	
PART C – ROBUS	STNES	e. Does the document tell us about the impact of different transport policy measures on CO <sub>2</sub> emissions of different social groups?	As FO	R 2d above		
					Empirical research	
		eview (please specify if known)			Steering Group	

PART A – BASIC	INFORMATION				
Author(s)	Clarissa Penfold, Nicky Cleghorn, Chris Creegan, Hayley Neil and Stephen Webster  Year of publication 2008				
Title/publication	Travel behaviour, experiences and aspirations of d	isabled people			
Context	Type of publication e.g. journal article, other article book, book chapter, working paper, report, conference paper, response to government consultation	le, DfT report			
	Type of study e.g. literature review, survey	Qualitative interviews			
	Geographic – country, region, city				
	Sample size (if relevant)	45 people			
PART B – FOCUS		10 Pools			
1. Different social groups	a. Does the document tell us anything about the reaction of different social groups to transport policy measures (which groups are covered)?	People with physical and/or sensory disabilities, and/or mental health and learning support needs			
	b. Does the document tell us anything about travel problems experienced by the different social groups? If so, does it also tell us how transport policy measures might impact on them?	Yes – travel behaviours and expereinces of affected groups			
2. Different transpolicy measures	a. Does the document tell us anything about different transport policy measures (which measures are covered)?	<ul> <li>Blue Badge scheme</li> <li>Motability scheme</li> <li>'ServiceCall'</li> <li>Using other modes of transport</li> <li>Planning</li> <li>Physical access and facilities</li> <li>Approach of transport staff</li> </ul>			
	b. Does the document tell us about the impact of different transport policy measures on behaviour?	Yes by different disabled groups			
	c. Does the document tell us about the impact of different transport policy measures on attitudes, including acceptability?	Yes by different disabled groups			
	d. Does the document tell us about the distributional effects of different transport policy measures?	No			
	e. Does the document tell us about the impact of different transport policy measures on CO₂ emissions of different social groups?	No No			
PART C - ROBUS	STNESS				
research, best prac comment on any lir representative is sa	the document evidence based e.g. is it based tice or informed opinion; mitations acknowledged by authors; if research bample, are results interim?	•			
Method of publication (please specify if killing)		Not known			

PART A – BASIC INFORMATION					
Author(s)		Smith et al.		Year of publication 2006	
Title/publication	Evid	ence Base Review on Mobility - Choices	and Ba	arriers for Different Social Groups	
Context	book, confe consu	of publication e.g. journal article, other are book chapter, working paper, report, rence paper, response to government ultation			
		of study e.g. literature review, survey		Focus groups	
		graphic – country, region, city		Various UK locations	
DART D. FOOLIG		ole size (if relevant)			
PART B – FOCUS		a Door the decument tell us	Yes		
1. Different social groups		a. Does the document tell us anything about the reaction of different social groups to transport policy measures (which groups are covered)?	•	children and young people, adults, with specific attention to:  o people on low income, o people living in rural areas, o people from black and minority ethnic groups, o women, and o disabled people, and o older people	
		b. Does the document tell us anything about travel problems experienced by the different social groups? If so, does it also tell us how transport policy measures might impact on them?	Yes . It covers travel behaviours by mode and travel choices, barriers to mobility including personal safety, and the measures to overcombarriers.		
2. Different transpolicy measures	port	a. Does the document tell us anything about different transport policy measures (which measures are covered)?	Road building, road user charging and car use public transport measures		
		b. Does the document tell us about the impact of different transport policy measures on behaviour?	To a certain extent		
		c. Does the document tell us about the impact of different transport policy measures on attitudes, including acceptability?	Yes		
		d. Does the document tell us about the distributional effects of different transport policy measures?	No		
the impa policy m		e. Does the document tell us about the impact of different transport policy measures on CO <sub>2</sub> emissions of different social groups?	No		
PART C - ROBUS	STNES	U /			
empirical research comment on any lin how representative	, best p mitatio e is sar	ocument evidence based e.g. is it based ractice or informed opinion; ons acknowledged by authors; if research ple, are results interim?			
Method of publication (please specify if k		review		Unclear	

PART A – BASIC	PART A – BASIC INFORMATION						
Author(s)							2008
Title/publication		ravel Choices and Nee					•
Context	book, confer consu	of publication e.g. jour book chapter, working p ence paper, response to Itation of study e.g. literature i	paper, report, o government	article,	In-depth interviews and focus gro		oups
		raphic – country, regior			Various		
		nle size (if relevant)	, ony			views & 15 focus groups	
PART B – FOCUS		<u> </u>				<u> </u>	
1. Different social groups		a. Does the documer anything about the re different social group policy measures (whi covered)?	eaction of os to transport ich groups are	Impacts of car use on people's ability to participate in activities			come
		b. Does the documer anything about traver experienced by the or groups? If so, does it how transport policy might impact on then	l problems lifferent social t also tell us measures n?				
2. Different transport policy measures		a. Does the documer anything about different policy measures (white are covered)?	rent transport ich measures			of car ownership and us	
	b. Does the docume about the impact of o transport policy mea behaviour?		lifferent sures on	Impacts on key activities and family budgets			gets
		c. Does the document tell us about the impact of different transport policy measures on attitudes, including acceptability?		Attitude	es to othe	er transport is covered	
		d. Does the documer about the distribution different transport po measures?	nt tell us nal effects of	•	about dife groups	ferent experiences of diff	erent
		e. Does the documer about the impact of o transport policy meas emissions of differen groups?	lifferent sures on CO <sub>2</sub>	No but by implication the effect of increased of driving on this $O_2$		sed cost	
PART C – ROBUS							
To what extent is the document evidence based e.g. is it based on empirical research, best practice or informed opinion; comment on any limitations acknowledged by authors; if research based, how representative is sample, are results interim?		Empirical resea	arch				
Method of publication (please specify if k		eview	Not known				

PART A – BASIC INFORMATION							
Author(s)	Jean	ean Taylor, Matt Barnard, Clarissa White and Jane Lewis Year of publication 2007					2007
Title/publication	Unde	Understanding the travel aspirations, needs and behaviour of young adults					
Context	book, confe	of publication e.g. journal article, of book chapter, working paper, repor rence paper, response to governme ultation	rt,	article,	article, DfT Report		
		of study e.g. literature review, surv	/ey		In-depth	n interview and focus gr	oups
		graphic – country, region, city			Various		
		ole size (if relevant)			36 inter	views & 12 focus group	S
PART B - FOCUS	;						
1. Different social groups		a. Does the document tell us anything about the reaction of different social groups to transpolicy measures (which groups a covered)?		16-25 year olds			
		b. Does the document tell us anything about travel problems experienced by the different so groups? If so, does it also tell u how transport policy measures might impact on them?	cial Is	transpo Not dire	ort use. ectly.	eriences of travel and p	
2. Different transport policy measures		<ul> <li>a. Does the document tell us anything about different transport policy measures (which measure are covered)?</li> <li>b. Does the document tell us about the impact of different transport policy measures on</li> </ul>	reducir res predict and tra		cing cost; increasing frequency of services; ing overcrowding; improving reliability and tability; improving the internal environment ansport officials' customer service skills; and ssing young people's safety concerns		
		behaviour?  c. Does the document tell us about the impact of different transport policy measures on attitudes, including acceptability	As for 2a		2a		
		d. Does the document tell us about the distributional effects different transport policy measures?		No			
		e. Does the document tell us about the impact of different transport policy measures on C emissions of different social groups?	CO <sub>2</sub> No				
PART C – ROBUS	STNES	C					
is it based on empirical research, best practice or informed opinion; comment on any limitations acknowledged by authors; if research based, how representative is sample, are results interim?				irical res	search		
(please specify if k	nown)						

PART A – BASIC	INFORMATION	
Author(s)	Tom Rye, William Mykura	Year of publication 2009
Title/publication	Concessionary Bus Fares for Old Objectives?	er People in Scotland - Are They Achieving their
Context	Type of publication e.g. journal article, other article, book, book chapter, working paper, report, conference paper, response to government consultation	Journal article
	Type of study e.g. literature review, survey	Surveys
	Geographic – country, region, city	Scotland
	Sample size (if relevant)	Amongst other things, this research included a postal self-completion questionnaire sent out to a random sample of around 2500 pass holders before 2002 and 3700 after 2003, as well as bus stop surveys and focus groups. The second survey sample included 612 people who responded to both before and after self-completion questionnaires. In each case, the response rate was around 39%, yielding 978 useable questionnaires in the before sample, 1145 in the after, and 241 in the matched sample who responded to both questionnaires.  A total of 144 questionnaires was completed at a series of locations, selected to obtain a cross section of seniors in Edinburgh. Scottish Executive (2006) surveyed a representative sample of 850 disabled people across Scotland
PART B – FOCUS		disabled people deless desitand
1. Different	a. Does the document tell us	Elderly people
social groups	anything about the reaction of different social groups to transport policy measures (which groups are covered)?	Taking up concessionary pass to travel at a reduced fare on public transport before 2002 and after 2003, the proportion aged 60-64 taking up travel concession increased from 15% to only 18%. Some 42% of before but only 34% of after respondents had an income of £500 per month or less.  The sample 144 age range 58 (disabled) to 92 for fare concession users: survey, only 24% of respondents had access to a car that they could use, but the majority of respondents had a bus stop within a 5 min walk of their home.  Of those with a pass, 58.3% have a bus service of 15 min frequency or better, whereas this is true of only 53.8% of those with a less frequent service.  Disabled people  Some 22% of the Scottish population has a (self-reported) long term illness or disability.  Take up travel concession Area Glasgow conurbation  Disabled (SHS) under 60 take up 23.19 %  People 60 and over (2001 census) 75.08%  Take up travel concession Area Glasgow conurbation  East of Scotland urban area  Disabled (SHS) under 60 15.85%  People 60 and over (2001 census) 85.71%
	b. Does the document tell us anything about travel problems experienced by the different social groups? If so, does it also tell us how transport policy measures might impact on them?	Problems experienced by disabled people travelling by bus: Are not able to use buses at all due to their disability (20%). "I have not used my bus pass for about 2 years as I am now confined to a wheelchair." Have problems using buses due to their disability (they cannot negotiate the steps, or do not have enough time to sit down, etc.) (16%). "I find using the buses an ordeal. Boarding and getting off difficult because of my disabilities and failing eyesight. Most drivers

			are considerate some are downright indifferent." Live too far from the bus stop (8%). The latter research (also revealed that the physical state of footways, crossings and bus stops is a significant barrier to the use of "conventional" (i.e. non door-to door) public transport by disabled people.
2. Different transport policy measures	a. Does the document tell use anything about different train policy measures (which measured)?	nsport	This paper discusses concessions that are arranged by the government for social policy reasons, and the groups that are eligible include retired or older people, and disabled people. The increase in total concessionary trip making has been driven to a great extent by people who did not have a pass when the concession was not free acquiring one when it became free.
	b. Does the document tell use the impact of different transpolicy measures on behaviors.  c. Does the document tell use the impact of different transports.	sport our? Is about	Vaguely: He found that there is a steady decline in overall travel from the age of 60 upwards, so that by the age of 85 people are only making 35% of the trips they were making when they were 60. However, the decline in car usage is greater than of travel generally over the same age range.  Generally the elderly will not acquire a car but, as their age increases, they will continue to have a car which they acquired at a younger age (the 'baby boomer' generation will join the elderly fully equipped!). This appears to be a major influence on the number of concessionary trips made.  Concessionary pass ownership – that is, the number of eligible people who actually take-up the concession for which they are eligible – may rise slightly as bus fares rise. It should also noted that many more people now report changing buses more frequently before, which is a rational response when there are no fare penalties for interchanging onto more convenient/faster services.  Impact of concessionary fares on the lives of the people who use the concession: Examining the effect of fare concessions on quality
	policy measures on attitudes, including acceptability?		of life in elation to income group, there is a link between improved life quality and the lower income groups. The lower income groups said that they gained a greater improvement in quality of life than the higher income groups, the majority of whom are unaffected by the fare concessions. Significantly, some 25% of respondents reported that they now get out of the house more as a result of the free concession, and 80% of this group have incomes of less than £10,000 per year.
	d. Does the document tell us about the distributional effects of different transport policy measures?		The area – bus service and congestion characteristics – within which the concessionary passenger resides. Higher bus service levels and higher levels of congestion and central area parking charges would both tend to be associated with a higher demand for bus travel amongst the group who are eligible for a concession.
	e. Does the document tell u the impact of different trans policy measures on CO <sub>2</sub> em of different social groups?	port	No
PART C – ROBUS			
based e.g. is it bas best practice or inf comment on any li	mitations acknowledged by n based, how representative	sources: the introduction concession a smaller, lowerk for the	and quantitative research: The paper draws primarily on three es Scottish Executive's own evaluation of the impacts of the of a national minimum concessionary entitlement (the free ary bus fare within existing scheme areas) (Scottish Executive, 2004); ocal evaluation carried out in Edinburgh by Mykura (2003); and recent es Scottish Executive examining the needs of disabled people for public scottish Executive, 2006).
Method of publication (please specify if k		N/A	

PART A – BASIC	INFORMAT	ION			
Author(s)	EC	-		Year of publication 2000	
Title/publication	A Sourcebook in Good Practice in Freight Transport				
Context	Type of pubook, book	Type of publication e.g. journal article, other article, book, book chapter, working paper, report, conference paper, response to government consultation		European Commission publication on freight best practice	
	Type of stu	ndy e.g. literature review, surve	ey .	Recommendations to freight/transport operators	
	Geographi	C – country, region, city		European Union	
		e (if relevant)		N/A	
PART B – FOCUS			Τ		
1. Different social groups	anyti diffe trans	oes the document tell us hing about the reaction of rent social groups to sport policy measures ch groups are covered)?	No		
	b. Do anyti expe socia also polic	oes the document tell us hing about travel problems erienced by the different al groups? If so, does it tell us how transport by measures might impact nem?	No		
2. Different transpolicy measures	anyt trans	oes the document tell us hing about different sport policy measures th measures are covered)?	Reducing the cleaner fuels efficient truck environments shipping, wat in combination vehicles runnincreasing loof forries), im technology to	e best practice actions: e impact of each mode through cleaner engines, e, new fuels and in the case of road freight, energy e design; Driver training and behaviour; Switching to eally friendly modes of transport, e.g. rail, coastal eterways and any of these en with road transport; Reducing the actual number of ening, vehicle kilometers and tonne kilometres by ead factors (reducing empty or partly loaded running exproving routeing, utilising new information en maximise backloading, consolidate deliveries, es and pick-up deliveries with other companies; City	
	abou trans	pes the document tell us ut the impact of different sport policy measures on aviour?	Vaguely on drivers' behaviour:  Satellite positioning systems, real-time data logging and communications with drivers can all ensure that fuel consum and drivers' hours conform with company policy and with requirements (the case of driving time and rest periods). Tologging systems can also contribute to improvements in hand stress reduction amongst drivers as they remove pressure to make up time and encourage a culture of doing job well within legal requirements.  Reductions in driver stress and improvements in driver health are of advantage to the company in minimizing of training budgets and maximising the use of the most skilful reliable drivers.		
	abou	pes the document tell us ut the impact of different sport policy measures on	No		

To what extent is the document evidence based e.g. is it based on empirical research, best practice or informed opinion; comment on any limitations acknowledged by authors; if research based, how representative is sample, are results interim?  Method of publication review (please specify if known)		ed on best practice actions in freight transport. a good source for best practice for logistics and sport operators.
PART C – ROBUSTNESS		
d. Do abou of di mea e. Do abou trans CO <sub>2</sub>	oes the document tell us ut the distributional effect ferent transport policy esures? Toes the document tell us ut the impact of different sport policy measures or emissions of different all groups?	us No
l l	udes, including eptability?	

PART A – BASIC	INFORMATION				
Author(s)	Atkins Ltd for DfT		Year of publication 2009		
Title/publication	Assessing Social and Distribut	tional Impacts in 1	ransport Scheme Appraisal and		
•	Evaluation	Evaluation			
Context	Type of publication e.g. journal article, other article,		Final Report		
	book, book chapter, working paper,		•		
	paper, response to government con-				
	Type of study e.g. literature review	, survey	Literature review and qualitative		
			research		
	0 1 7 0 7		UK		
DART D. FOOLIG	Sample size (if relevant)		N/A		
PART B – FOCUS		N			
1. Different	a. Does the document tell us		study is to understand SDIs of different		
social groups	anything about the reaction of		and make methodological n how SDIs to be included in the		
	different social groups to	appraisal process o			
	transport policy measures (which groups are covered)?		The contempor		
	b. Does the document tell us	No.			
	anything about travel problems	140.			
	experienced by the different				
	social groups? If so, does it				
	also tell us how transport policy				
	measures might impact on				
	them?				
2. Different	a. Does the document tell us	Towards a Susta	inable Transport System: Supporting		
transport policy	anything about different		n a Low Carbon World' (TaSTS)3 sets out		
measures	transport policy measures	the Government's future approach to transpo			
	(which measures are covered)?	outlining five clear g	goals: nange, by cutting emissions of carbon		
			other greenhouse gases;		
		Maximise the competitiveness and productivity of the			
		economy;			
			afety, security and health;		
		Improve quality of life, including through a healthy natural			
			Promote greater equality of opportunity.		
	b. Does the document tell us		assess travel behaviour:		
	about the impact of different		may require further quantitative data, to		
	transport policy measures on		and examine people's travel behaviour.  s provide a robust approach to collating		
	behaviour?		enable assessments of <b>peoples travel</b>		
			unction with the impacts of the proposed		
			highlighting areas at risk from negative		
			ticularly in terms of accessibility and		
		affordability issues			
			mental appraisal on noise levels ibution of noise effects on different		
			also important to understand whether		
			dentified are particularly vulnerable to or		
			ects of noise. The literature review		
		identified that young	g people are more prone to negative		
			creases including detrimental blood		
			s hormone levels in children who are		
			ise levels on a regular basis.  and Security General:		
		reisonal Salety	and Security General:		

	Previous research on passengers' perceptions of personal security, identified how people feel about their personal security on public transport and what makes people feel unsafe. The literature review identified that gender and age dimensions were significant for personal security. This suggests that, based on those who may be deterred from travelling, the only group not regarded as experiencing an SDI is adult males aged between about 20 and 50 (although this may reflect perceptions of vulnerability rather than the actual incidence of crime). In terms of transport mode, public transport users emerge as vulnerable as their travel routines are constrained by the transport system requiring them to board/alight at specific points, wait for services, and walk for interchange along specific routes.
c. Does the document tell us about the impact of different transport policy measures on attitudes, including acceptability?	There may also be urban-rural issues to consider as SDIs can take different forms in different areas. For example, in rural areas additional public transport capacity may increase accessibility and reduce exclusion, whilst in urban areas the effects may be more equivocal in SDI terms, increasing accessibility to some whilst altering land values, and hence accommodation costs, for others. Noise is likely to be particularly important in tranquil rural areas, for instance if increased by a new bypass, but air quality is much more likely to result in negative SDIs in urban areas.  Accessibility Strategies General Recommendations:  Scheme promoters should use the analysis to consider whether it is possible to improve the accessibility of potentially vulnerable groups and/or areas through scheme design and/or mitigation measures.  Analysis of accessibility should also address the other barriers to access such as perceived personal security and affordability.  Thus analysis should highlight any areas of physical or perceived accessibility limitations such as a hilly environment or crime issues.
d. Does the document tell us about the distributional effects of different transport policy measures?	The impact of a scheme on local noise levels:  The overall conclusion is that the lower income households experience greater noise impacts both in absolute and relative terms. It is such conclusions that are recommended for the AST as part of the appropriate sub-objective with quantitative evidence reported separately.  Air quality assessment:  As well as the distribution of air quality effects on different social groups as described above, it is also important to understand whether any of the groups identified are particularly vulnerable to or damaged by the effects of air quality.  Unemployed/Low income households — low income groups have been found to be more susceptible to the impacts of poor air quality and studies have shown a relationship between poverty and air pollution is important.  Affordability/Financial Impacts General:  The literature review confirmed that lower income groups already spend a disproportionate amount of disposable income on travel, despite travelling significantly less than wealthier groups. It also identified that in practice low income public transport users did not particularly take advantage of discounted tickets and period tickets, so the

	analysis should not assume that they do				
	analysis should not assume that they do.				
	Road Safety  Literature review identified that those who are more				
	vulnerable to road accidents are:				
	Younger people – children are one of the most vulnerable				
	groups in terms of road accidents;				
	•Low income Groups – there is a disproportionate				
	relationship between social class and accidents;				
	Minority Ethnic Groups/high density housing (on street)				
	parking) – studies have shown particularly high rates of				
	accidents amongst young Asian children living in inner city				
	areas. This can also be attributed to the characteristics of				
	the area in traditional ethnic areas having low levels of off				
	street parking and resulting in hazardous conditions for				
	children to play in.				
	Non-car users – pedestrians and cyclists are more likely to				
	suffer serious injuries as a consequence of an accident.				
	The analysis of road safety will need to consider vulnerable				
	groups and plot these socio-demographic sub-groups				
	across the transport scheme alignment and area likely to be affected by the scheme. The analysis should then consider				
	where accidents could potentially occur (i.e. desired				
	crossing points and desired pedestrian routes, for example,				
	from residential areas to key locations such as schools or				
	local shops. and identify any hazards as an outcome of the				
	scheme.)				
e. Does the document tell u					
about the impact of differer					
transport policy measures of	on				
CO <sub>2</sub> emissions of different					
social groups?					
PART C – ROBUSTNESS	Literature and inclination of NATA (N				
To what extent is the document evidence	Literature review identifying SDIs as part of NATA (New				
based e.g. is it based on empirical research,	Approach of Transport Appraisals) refresh programme				
best practice or informed opinion; comment on any limitations acknowledged by	in response to changes in the DfT goals since 1998.				
authors; if research based, how representative					
is sample, are results interim?					
Method of publication review	N/A				
(please specify if known)					

PART A – BASIC INFORMATION					
Author(s)	DfT		Year of publication 2007		
Title/publication					
Context	Type of publication e.g. journal article, other article, book, book chapter, working paper, report, conference paper, response to government consultation		Factsheet publication		
	Type of study e.g. literature review, surve	ey	Survey		
	Geographic - country, region, city		UK		
	Sample size (if relevant)		Not given; data from National Travel Survey (NTS) adults and children of all ages ONS Omnibus Survey and the British Social Attitudes Survey (BSAS)		
PART B – FOCUS					
1. Different social groups	a. Does the document tell us anything about the reaction of different social groups to transport policy measures (which groups are covered)?	Across all age groups <b>males</b> make more cycle trips on average than females. This difference is greatest among people <b>aged 17-20</b> , with <b>men</b> in this age group making more than five times as many cycling trips as women.  Cycling trip rates are highest among boys aged <b>11-years</b> . However, <b>men aged 30-49</b> travel the greated distance by bicycle.  The majority of adults agree that everyone should encouraged to cycle to help their health (87%), he the environment (79%) and to ease congestion (73%)			
	b. Does the document tell us anything about travel problems experienced by the different social groups? If so, does it also tell us how transport policy measures might impact on them?	However, many adults are concerned about the <b>safety of cycling</b> . Almost half (47%) strongly agree that 'the idea of cycling on busy roads <b>frightens me'</b> , with a further 27% tending to agree with this. Women are more likely to express concerns about <b>safety</b> (85%) than men (61%).			
2. Different transport policy measures	a. Does the document tell us anything about different transport policy measures (which measures are covered)? b. Does the document tell us about the impact of different transport policy measures on behaviour?	Among males, trip rates by bicycle decrease a household car ownership increases whereas among females, there is no correlation between car			
	policy measures on behaviour:	ownership Over two is of car trip hour cycle 37% of ad now make bike' (BSA Around 3 is car use 'ii roads' (27 (30%) (On Around a more 'if co it was mo	and cycling. thirds (68%) of all trips and over half (58%) is are under 5 miles, approximately a half ride. lults agree that 'Many of the short journeys I by car I could just as easily cycle, if I had a s.S). in 10 car users say they would reduce their f there were more cycle tracks away from 181%, 'if there were more cycle lanes on 181%, or 'better parking facilities for cycles'		

	Car users who already cycle frequently are more likely to agree such measures would reduce their car use.
c. Does the docum the impact of difference policy measures or including acceptable	transport encouraged to cycle to help their health (87%), help the environment (79%) and to ease congestion (73%).
d. Does the docum the distributional et transport policy me	ts of different income make, on average, fewer bicycle trips and
e. Does the docum the impact of differences or different social grou	transport beneficial to environment. $O_2$ emissions of
PART C - ROBUSTNESS	•
To what extent is the document evid based e.g. is it based on empirical rese best practice or informed opinion; comment on any limitations acknowledgauthors; if research based, how represe is sample, are results interim?	th, 1996 - 2004.
Method of publication review (please specify if known)	N/A

PART A - BASIC I	INFORMATION				
Author(s)	DfT Year of publication 2008				
Title/publication	Delivering a Sustainable Transport System				
Context	Type of publication e.g. journal article, other article, book, book chapter, working paper, report, conference paper, response to government consultation	Government publication – consultation document			
	Type of study e.g. literature review, survey	Strategy to tackle economic effects of climate change			
	Geographic – country, region, city	UK			
	Sample size (if relevant)	We consulted informally with over 250 stakeholder organisations on our goals and approach at the start of this year (2008). The responses we received were very supportive. We have now refined these goals and they will be the basis on which we build future transport and infrastructure policy.			
PART B - FOCUS					
1. Different social groups	a. Does the document tell us anything about the reaction of different social groups to transport policy measures (which groups are covered)?	No			
2. Different transport policy	b. Does the document tell us anything about travel problems experienced by the different social groups? If so, does it also tell us how transport policy measures might impact on them?  a. Does the document tell us anything about different transport policy measures (which measures are experted)?	Vaguely:  Historically, older drivers have made fewer and shorter trips, but today older people are increasingly likely to own cars and to continue driving for longer.  Yes, particularly those relating to Eddington and Stern, e.g. we are working			
measures	(which measures are covered)?	with local authorities who are developing proposals to manage demand on their roads by congestion charging.  New rail lines, the London – Manchester strategic corridor, freight, Crossrail, climate change,			
	b. Does the document tell us about the impact of different transport policy measures on behaviour?	Not really, but it outlines that land use planning influences peoples transport choices.			
	c. Does the document tell us about the impact of different transport policy measures on attitudes, including acceptability?	No			
	d. Does the document tell us about the distributional effects of different transport policy measures?	No			
	e. Does the document tell us about the impact of different transport policy measures on CO <sub>2</sub> emissions of different social groups?	No			

#### PART C - ROBUSTNESS

To what extent is the document evidence based e.g. is it based on empirical research, best practice or informed opinion; comment on any limitations acknowledged by authors; if research based, how representative is sample, are results interim? This document is a consultation document, following on from the earlier publication Towards a Sustainable Transport System, which was formed in response to the Stern and Eddington reports.

We outlined our proposed approach to long-term transport planning in our publication Towards a Sustainable Transport System, which we published in 2007, in response to the Eddington study and the Stern review. This document explains how we are putting this into action in a way that both tackles our immediate problems and also shapes our transport system to meet the longer-term challenges that are critical for our prosperity and way of life.

Method of publication review (please specify if known)

N/A

PART A - BASIC I	INFORMATION		
Author(s)	DfT		Year of publication 2009
Title/publication	Good Practice Guidelines -	- Delivering Travel Pla	ns through the Planning Process
Context	Type of publication e.g. journal article, other article, book, book chapter, working paper, report, conference paper, response to government consultation		Report (guidelines)
	Type of study e.g. literature i	review, survey	Best practice guidelines
	Geographic – country, region, city		UK
	Sample size (if relevant)		
PART B - FOCUS			
1. Different social groups	a. Does the document tell the reaction of different so transport policy measures covered)?	ocial groups to	No
	b. Does the document tell travel problems experient social groups? If so, does transport policy measures them?	ced by the different it also tell us how	No
2. Different transport policy measures	a. Does the document tell different transport policy in measures are covered)?		Mainly Travel Plans, with some other general Smarter Choices measures.
	b. Does the document tel impact of different transpo on behaviour?		A few case studies, which indicate that implementing a 'good' TP can reduce single occupancy car use.
	c. Does the document tell impact of different transpo on attitudes, including acc	ort policy measures	No
	d. Does the document tel distributional effects of dispolicy measures?		No
	e. Does the document tel impact of different transpo on CO <sub>2</sub> emissions of diffe	ort policy measures	No
PART C - ROBUS	TNESS		
To what extent is the document evidence based e.g. is it based on empirical research, best practice or informed opinion; comment on any limitations acknowledged by authors; if research based, how representative is sample, are results interim?		Solely a review of best practice.  These guidelines were commissioned by the Departme Transport, in consultation with Communities and Local Government, to give further impetus to the use of traver plans as a means of promoting sustainable transport. It bring together some of the best of current practice from examples around the country, drawing on the results of recent research.  They particularly focus on the way in which planning at travel plans currently interrelate and how this could be more effective.	
Method of publica (please specify if kr			

PART A – BASIC	PART A – BASIC INFORMATION					
Author(s)	DfT (Sally Cairns, Lynn Sloman, Carey Newson, Jillian			Year of publication	2004	
	Anable, Alistair Kirkbride and Phil Goodwin)					
Title/publication Context	Smarter Choices – Changing the way we Trave Type of publication e.g. journal article, other article book, book chapter, working paper, report, conference paper, response to government					
	consu	ıltation				
		of study e.g. literature review, survey			ure review and case stu	ıdies
		graphic – country, region, city		UK		
PART B – FOCUS		ole size (if relevant)				
1. Different socia		a. Does the document tell us	No bi	ıt it does	s detail general reaction	e to
groups		anything about the reaction of different social groups to transport policy measures (which groups are covered)?		er choice	es measures through ca	
		b. Does the document tell us anything about travel problems experienced by the different social groups? If so, does it also tell us how transport policy measures might impact on them?	No No			
2. Different transpolicy measures	oort	a. Does the document tell us anything about different transport policy measures (which measures are covered)?	Travel Plans, PJP, Car Clubs, Information and Marketing, Car Sharing, Teleworking, Teleconferencing, Home Shopping			king,
		b. Does the document tell us about the impact of different transport policy measures on behaviour?	Summarises studies undertaken on the esmarter choices measures have in reduction car traffic. The document highlights the lift difference between a weak or strong implementation of a range of smarter chomeasures in the second chapter, and the move onto more detailed case studies.  For example, some information about the behaviour changes experienced after sor travel awareness campaigns.  Sections included entitled 'effects of xxxx (measure) on car use'.		ducing ne likely choice then s. the some	
		c. Does the document tell us about the impact of different transport policy measures on attitudes, including acceptability?	No, focuses on the measurable reduction car use, rather than attitudes to travel pla			
		d. Does the document tell us about the distributional effects of different transport policy measures?	No, just general effects			
		e. Does the document tell us about the impact of different transport policy measures on CO <sub>2</sub>	No			

emissions of differen	nt social
groups?	
PART C – ROBUSTNESS	
To what extent is the document evidence based e.g. is it based on empirical research, best practice or informed opinion; comment on any limitations acknowledged by authors; if research based, how representative is sample, are results interim?	Review of case studies/best practice, which includes statistics relating to the cost and benefits of the implementation of policies and the likely % reduction in car travel from policies.  Nationwide reduction in traffic estimated to be 11% if high intensity policies were to be introduced, however based upon the results of 25 case studies.  Some caveats included by authors, on the percentage changes reported, and assumptions made about the wider smarter choices policy field.  The report draws on earlier studies of the impact of soft measures, new evidence from the UK and abroad, case study interviews relating to 24 specific initiatives, and the experience of commercial, public and voluntary stakeholders involved in arganising such schemes.
Method of publication review	involved in organising such schemes.
(please specify if known)	

PART A – BASIC	INFO	RMATION			
Author(s)	Drs Jillian Anable, Ben Lane & Tanika Kelay for the DfT Year of publication 2006				
Title/publication	Review of public attitudes to climate change and transport: Summary report				
Context	Type of publication e.g. journal article, other article, book, book chapter, working paper, report, conference paper, response to government consultation		Report for the DfT.		
		of study e.g. literature review, survey		Summary report of literature review.	
		graphic – country, region, city		UK.	
DART R. FOCUS	,	Sample size (if relevant)		This was a review of existing literature and the number of references reviewed is not specified. There may be more information on this in the full report, although it is not available on the DfT's website.	
	•		ily – au	iditional relevant information may be	
1. Different social groups		a. Does the document tell us anything about the reaction of different social groups to transport policy measures (which groups are covered)?	Yes, but limited. The report explores general public attitudes to climate change (chapters and 2). It also refers to segmentation of the population by psychographic and sociodemographic variables, in order to define different groups in terms of their use of the private car, attitudes to the environment and energy consumption (chapter 5).		
		b. Does the document tell us anything about travel problems experienced by the different social groups? If so, does it also tell us how transport policy measures might impact on them?	No.		
2. Different transport policy measures		a. Does the document tell us anything about different transport policy measures (which measures are covered)?	The following measures are covered in a fairly limited way: Cleaner fuels and vehicles (chapter 2) Pricing (chapters 2 and 6) Energy/car labelling (chapter 6) Carbon offset services (chapter 6) Travel awareness campaigns (chapter 6) Travel plans (chapter 6) Carbon neutral cities (chapter 6).		
		b. Does the document tell us about the impact of different transport policy measures on behaviour?	The formal fairly I Energy feedbar Travel In add drawn most I 6).	ollowing measures are covered in a imited way: y/car labelling and energy use ack (chapter 6) I awareness campaigns (chapter 6) I plans (chapter 6) Iition, some general conclusions are about features of measures which are likely to transform behaviour (chapter	
		c. Does the document tell us	The fo	ollowing measures are covered in a	

about the impact of o		fairly limited way:
transport policy meas		Cleaner fuels and vehicles (chapter 2)
attitudes, including a	cceptability?	Pricing (chapter 2) Energy/car labelling (chapter 6)
		Travel awareness campaigns (chapter 6)
d. Does the documer	nt tell us	No.
about the distribution		NO.
different transport po		
measures?	oy	
e. Does the documer	nt tell us	No.
about the impact of c	different	
transport policy meas	sures on CO <sub>2</sub>	
emissions of differen	t social	
groups?		
PART C – ROBUSTNESS  To what extent is the document evidence	T	eview of existing evidence. A main conclusion
based e.g. is it based on empirical research, best practice or informed opinion; comment on any limitations acknowledged by authors; if research based, how representative is sample, are results interim?	was that attitue not been commobust way to between them literature from understanding marketing and The review us aspects of trapurchasing, from transport policy concerning at the conclusion transport. The	udes, climate change and travel behaviour had aprehensively examined in any consistent and awarrant a comprehensive analysis of links in. Consequently, the review drew upon in environmental psychology, publicing of science, travel behaviour research, and sociology to achieve its aims. Seed a search strategy designed to capture all aivel behaviour, including modal choice, car requency and amount of travel, and support for cies. Only a small amount of literature emerged attitudes to air travel and climate change. Hence are pertain mostly to private surface passenger are report also identified evidence gaps meriting rich (as requested by DfT).
Method of publication review	Not known.	(
(please specify if known)		
CONCLUSION ON RELEVANCE	Quite relevan	t.

PART A - BASIC					
Author(s)	European (5 <sup>th</sup> RTD Framework Programme)  Year of publication			Year of publication	2002- 4
Title/publication	VELO.INFO: the European Netwo	rk for Cycli	ng Expertise	<del>-</del> }	•
Context	Type of publication e.g. journal article, other article, book, book chapter, working paper, report, conference paper, response to government consultation	Further investigation reveals this is a network rather than a publication. There appears to be no overall report on the Network activities. However, the Network has an online database of publications or cycling, including its own briefings on different aspects of cycling. This REA reviews the key result and policy implications arising from Network operation, as reported on the Transport Research Knowledge Centre website.			verall e ns on it results
	Type of study e.g. literature review, survey	See abov	e.		
	Geographic – country, region, city	Europe.			
	Sample size (if relevant)				
PART B – FOCUS			, ,		
1. Different social groups	a. Does the document tell us anythic reaction of different social groups to measures (which groups are covered)	o transport		No.	
	b. Does the document tell us anything about travel problems experienced by the different social groups? If so, does it also tell us how transport policy measures might impact on them?				
2. Different transport policy measures	a. Does the document tell us anything about different transport policy measures (which measures are covered)?  Yes, the Network itself is a transport policy measure and its various activities are described.			re and	
	b. Does the document tell us about the impact of different transport policy measures on behaviour?				
	c. Does the document tell us about the impact of different transport policy measures on attitudes, including acceptability?				
	d. Does the document tell us about effects of different transport policy is			No.	
	e. Does the document tell us about the impact of different transport policy measures on CO <sub>2</sub> emissions of different social groups?				
PART C – ROBUS					
based on empirica comment on any li research based, ho interim?	the document evidence based e. I research, best practice or informed mitations acknowledged by authors; ow representative is sample, are resu	opinion; if llts			
	ation review (please specify if know	n)	Not known.		
CONCLUSION O	N RELEVANCE		other cyclin these are n be undertal publication	evance. However, if REA ag-related literature indic ot so relevant, a search ken of the VELO.INFO database to try and iden ant references.	ate could

PART A – BASIC INFORMATION				
Author(s)	European (5 <sup>th</sup> RTD Framework Program	me)	Year of publication	2003- 4
Title/publication	BYPAD (Bicycle Policy Audit)		•	1
Context	Type of publication e.g. journal article, other article, book, book chapter, working paper, report, conference paper, response to government consultation	stigation reveals this is an or evaluating local and regionies, rather than a publication ars to be no overall report on This REA reviews the key remplications arising from use reported on the Transport nowledge Centre website.	n. n this esults	
	Type of study e.g. literature review, survey	See above.		
	Geographic – country, region, city	Europe.		
	Sample size (if relevant)		ties and regions in 20 Europ e using BYPAD.	ean
PART B - FOCUS				
1. Different social groups	a. Does the document tell us anything about the reaction of different social groups to transport policy measures (which groups are covered)?			
	travel problems experienced by the dissocial groups? If so, does it also tell us	b. Does the document tell us anything about travel problems experienced by the different social groups? If so, does it also tell us how transport policy measures might impact on them?		
2. Different transport policy measures		a. Does the document tell us anything about different transport policy measures (which measures are covered)?  Ye policy measures (which is continuous policy)		
		b. Does the document tell us about the impact of different transport policy measures on behaviour?		
	different transport policy measures on including acceptability?	c. Does the document tell us about the impact of different transport policy measures on attitudes,		
	d. Does the document tell us about the distributional effects of different transport policy measures?			
	e. Does the document tell us about the impact of different transport policy measures on CO <sub>2</sub> emissions of different social groups?			
PART C – ROBUS				
based on empirical comment on any lir research based, ho interim?	the document evidence based e.g. is it research, best practice or informed opinionitations acknowledged by authors; if w representative is sample, are results	on;		
	ntion review (please specify if known)	Not kno	wn. relevance.	
CONCLUSION ON RELEVANCE			relevance.	

PART A – BASIC	INFO	RMATION	
Author(s)	Dr Ti	m Jones	Year of publication 2008
Title/publication	case	of NCN route 5 Stafford	free paths in creating a cycling culture; The
Context	Type of publication e.g. journal article, other article, book, book chapter, working paper, response to government consultation		PhD thesis
	Туре	of study e.g. literature review, survey	Secondary research + surveys
	Geographic – country, region, city		Secondary research examined the social and cultural context of cycle planning in the UK, the development of the National Cycle Network (NCN), and factors inhibiting cycling. Surveys conducted in two neighbourhoods in a town (Stafford), to compare attitudes to cycling, and current and planned cycling behaviour.
	Sam	ole size (if relevant)	111 survey responses at aneighbourhood adjacent to a traffic-free section of the NCN and 94 responses at a control neighbourhood less accessible to the NCN.
PART B - FOCUS	3		
1. Different socia groups	I	a. Does the document tell us anything about the reaction of different social groups to transport policy measures (which groups are covered)?	Reactions to cycling in general covered to some extent in chapter 4, exploring differences relating to age, gender, and socio-economic status.
		b. Does the document tell us anything about travel problems experienced by the different social groups? If so, does it also tell us how transport policy measures might impact on them?	Covered to some extent in chapter 4, e.g. differences in problems experienced attributable to gender, age and living in urban areas, and linkage of these problems to use of cycling.
2. Different transpolicy measures	port	a. Does the document tell us anything about different transport policy measures (which measures are covered)?	Yes - the NCN, especially traffic-free routes (chapter 3 in particular).
		b. Does the document tell us about the impact of different transport policy measures on behaviour?	Yes - the impact of the NCN on behaviour is considered in chapter 7. Little impact was revealed, other than increased cycling for leisure. Chapter 10 states that a marketing strategy aimed at changing behaviour - by providing information and targeting sections of the community predisposed to cycling - has an important role to play in replacing short trips by car, but must be reinforced by hard measures to encourage cycling.
		c. Does the document tell us about the impact of different transport policy measures on attitudes, including acceptability?	Yes - the impact of the NCN on attitudes is considered in chapters 7 and 10. The public were largely supportive of measures that plan cycling into the transport system and enable cycling for short journeys. However this had

d. Does the docume		not translated into behavioural change in terms of increased cycling for practical, routine journeys. Also, there was no evidence that provision of a traffic-free route had led to more positive attitudes to cycling.  Chapter 10 suggests that women were more
about the distributio different transport p measures?		likely to place above average importance on cycling being impractical and dangerous.
e. Does the docume about the impact of transport policy mea emissions of differen groups?	different asures on CO2	No.
PART C – ROBUSTNESS		
To what extent is the document evidence		ased on secondary research and surveys, as
based e.g. is it based on empirical research,	indicated above.	
best practice or informed opinion; comment on any limitations acknowledged by		that ideally surveys should have been
authors; if research based, how representative	conducted before and after the establishment of the local	
is sample, are results interim?	section of the NCN, surveys did not take account of frequency of travel, and other factors as well as proximity of the NCN could impact on cycling behaviour,	
Method of publication review (please specify if known)	Normal review procedure for PhDs.	
CONCLUSION ON RELEVANCE	Quite relevan	t.

PART A – BASIC	INFOR	MATION		
Author(s)		JWE, Parkhurst G.)		Year of publication 2006
Title/publication		. ,	ss the s	ocial and distributional impacts of road
paramount in		g (Understanding the Social and Dis		
Context		of publication e.g. journal article, other		Rapid evidence assessment of
				the Social and Distributional Impacts
				of Road Pricing
	consul	Itation		
	Type	of study e.g. literature review, survey		Literature Review (Rapid evidence
	71			assessment)
	Geoal	raphic – country, region, city		Covers schemes worldwide
		nle size (if relevant)		Over 100 reports, papers and other
		(		articles addressing research in the UK
				and Europe, North America, and Asia.
PART B – FOCUS	3			
1. Different social		a. Does the document tell us	Yes. k	out only in relation to road pricing:
groups		anything about the reaction of	35,	,
<b>U</b> 1 -		different social groups to transport	Demo	graphic groups
		policy measures (which groups are		fferent genders
		covered)?		nildren and young people (up to the age
				25)
				iddle generational people (aged
				etween 26 and 50)
				der people (aged over 50)
				amilies (with dependent children aged
				i and under).
				os prone to social exclusion on
				sibility grounds
				sabled people
				ouseholds without access to cars
				eople unaware of travel opportunities
				w-income households
				raphically defined groups
			_	ural
				uburban/peripheral estate
				ban core
				omically or occupationally-defined
				s using Socio-economic Classification
				eation classes
				eople in education
				eople in unpaid or voluntary work
				eople seeking work
				art-time workers
				ey workers
				arers
				etired people
				os defined through their transport
			choice	
				us users
			• Ca	ar users

		Pedestrians
		Cycle users
		Users of powered two-wheel vehicles
	b. Does the document tell us anything about travel problems experienced by the different social groups? If so, does it also tell us how transport policy measures might impact on them?	Yes, considers many different groups, including lower income, ethnic minorities and different genders. Also investigates the equity of scheme design, pricing etc.  The issue of equity is found to be a serious obstacle in terms of implementing pricing
		schemes. Considers some measures trialled to solve this problem, e.g. toll vouchers for lower income households.  There are major gaps in understanding the
		reasons why people on low incomes do not have (or consider themselves not to have) an alternative to car use.
2. Different transport policy measures	a. Does the document tell us anything about different transport policy measures (which measures are covered)?	<ul> <li>Road pricing only, but including five types:</li> <li>Fixed area charging</li> <li>Fixed cordon charging</li> <li>Route-based charging</li> <li>Nationwide congestion charging</li> <li>Nationwide universal distance-rated charging</li> </ul>
	b. Does the document tell us about the impact of different transport policy measures on behaviour?	Yes, with regards to road pricing - those on lower incomes less likely to pay the charge, but more likely to benefit through improvements to public transport, e.g:
		Those travelling on urban highways at peak periods in the peak direction are substantially more affluent than the population as a whole, and those who choose to pay the toll more affluent still.
		Goes into detail about the profile of users of toll roads/charged ares. For example, middleaged most likely to pay a toll:
		A large-scale survey in the Norwegian capital, Oslo, found that the great majority of motorists crossing the cordon at peak times were middle-aged men with above-average incomes.
		Uses London charge zone as an example of before and after behaviour, and concludes:
		Little is known about the underlying reasons that may induce people to switch modes as a result of road pricing.
	c. Does the document tell us about the impact of different	Small section on 'consultation and public acceptability' (4.3), but this is short and

	transport policy measures on		sweeping.
	attitudes, including acceptability?  d. Does the document tell us about the distributional effects of different transport policy measures?		Yes, nine key themes are drawn out, covering:  Income groups, Age, Gender, Ethnicity, Household type, Disabilities, Scheme design and boundary questions, Spatial issues, and Transport modes.
PART C – ROBUSTNES	e. Does the document tell us about the impact of different transport policy measures on CO <sub>2</sub> emissions of different social groups?		No
To what extent is the document evidence based e.g. is it based on empirical research, best practice or informed opinion; comment on any limitations acknowledged by authors; if research based, how representative is sample, are results interim?  Method of publication review (please specify if known)		The overall aim of the study was to evaluate the available evidence on the social and distributional impacts of existing and 'near market' road pricing schemes. A desk based literature review, taking examples from all around the world. Study seems to cover a large variety and number of studies Within the recommendations section, the main report outlines the chief evidence gaps  First, a search of academic and policy literature was conducted, using relevant proprietary databases and openaccess internet search engines. Second, direct contact was academic to the state of the propriet.	
		made with ele professionals, Group, with s further bibliog	ectronic (international) networks of transport , including the Universities Transport Study pecific requests for assistance in identifying traphic listings and potentially relevant ference was also made to recent conference

PART A - BASIC	INFORMATION				
Author(s)	DfT			Year of publication 2007	
Title/publication		Transport Assessment Guidance (TAG) Unit (3.12.4), Measuring the Social and Distributional Impacts of Road Pricing Schemes			
Context	Type of publication book, book chapte	on e.g. journal article, other r, working paper, report, response to government		Government document – currently 'for consultation'	
		g. literature review, survey		Government Guidance	
	Geographic – cou			UK wide	
	Sample size (if re			N/A	
PART B - FOCUS	S	,			
1. Different social groups	about the reaction	ment tell us anything n of different social rt policy measures covered)?	these pricing	ut it explains (to local authorities) how can be investigated in terms of road g schemes using research methods and ut some example survey questions.	
	b. Does the docur about travel probl different social gro	ment tell us anything ems experienced by the oups? If so, does it also ort policy measures	No, buthese pricing	ut it explains (to local authorities) how can be investigated in terms of road g schemes using research methods and ut some example survey questions.	
2. Different transport policy measures	a. Does the document tell us anything about different transport policy measures (which measures are covered)?		Road pricing schemes only.  This Unit provides guidance on requirements for measuring social and distributional impacts using social research methods when projects include road pricing schemes.		
	b. Does the document tell us about the impact of different transport policy measures on behaviour?		No, only that we do not yet fully understand the social and distributional impacts of road pricing. It outlines to local authorities how research and surveys can be undertaken in order to collect and analyse this information.		
	impact of different	document tell us about the ferent transport policy a attitudes, including		s above.	
		ment tell us about the cts of different transport	No, as above.		
	impact of different measures on CO <sub>2</sub> social groups?	Does the document tell us about the pact of different transport policy easures on CO <sub>2</sub> emissions of different		s above.	
PART C – ROBU					
To what extent is evidence based empirical research informed opinion; comment on any lacknowledged by	e.g. is it based on n, best practice or imitations	document it based on practice or  More of a document about results of research.		Survey, Local Travel Surveys and best data collection should be carried out.  to undertake research, than publishing	
research based, he is sample, are rest	ow representative ults interim?	things may change due to the rapidly changing nature of the topic.			
(please specify if l		N/A			

PART A – BASIC	INFORMATION				
Author(s)	TfL Year of publication				
Title/publication	Central London Congestion Charging: Impacts Monitoring				
Context	Type of publication e.g. journal article, other article, book, book chapter, working paper, report, conference paper, response to government consultation				
	Type of study e.g. literature review, survey	Monito	oring Report		
	Geographic – country, region, city	Londo			
PART B – FOCUS	Sample size (if relevant)	1,000 300 dr teleph On str extens 3,966 wester 84 'ha elderly 'Londo living a 500 ke	before and after survey 'n extension users rd to reach' surveys, e.ç	stern s of g. the eople	
1. Different socia groups	a. Does the document tell us anything about the reaction of different social groups to transport policy measures (which groups are covered)?	impacts betwee income house charge among elderly (chapt Lower income to report that or decreased, remained the on a lower income the cost of the them to avoid possible, to end the largely untroduction of evidence of a provision of set However, care	rison of travel and schelen low income and higholds, and the impact of get the disabled, carers ers 6 and 7) e.g:  The respondents were more their travel by car had in and less likely to say it same. This suggests the come place a higher value charge, both encourage paying it but, where this nsure that it is not 'waste one disabled people surprise to disabled people for the ervices to disabled people surprise and visitors appear the frequency of visits	h of the and the and the re likely ncreased had nat those ue on ging is is not red'. rveyed d no ole. to	
	b. Does the document tell us anything about travel problems experienced by the different social	services' (gro	tails topics such as 'acc cery shopping etc) and al charge zone has affe	outlines	

	groups? If so, does it also tell us how transport policy measures might impact on them?	residents within it in relation to accessing these services (chapter 7).  The document also reports on the affordability of transport and the scheme, stating:  Around one third of London residents reporting having reduced the number of car or van journeys that they make because of the increasing cost.  London residents who said that they found travel more difficult to afford were more likely to say that the overall impact of congestion charging on them had been negative than the population as a whole, although a significant majority (70 percent) said that the impact had been neutral or positive.
2. Different transport policy measures	a. Does the document tell us anything about different transport policy measures (which measures are covered)?	It provides an analysis and valuation of the benefits of the original congestion charging scheme in central London.
	b. Does the document tell us about the impact of different transport policy measures on behaviour?	One chapter included (chapter 6) on Travel Behaviour and Travel Behaviour Change relating to the London Congestion Charge – this is new to the latest monitoring report (2008). This survey was specifically designed to provide a 'before and after' picture of intended and actual behavioural change among those driving into, within and through the western extension zone.
		This section describes travel behaviour patterns of those travelling to and from the western extension by road and identifies changes made as a result of the introduction of congestion charging. The introduction of charging encouraged travellers to think about the trips they make and discouraged the use of the car (as driver) during charging hours.
		An e.g. of driver behaviour:  Drivers who had chosen to continue driving in the western extension after the introduction of charging and pay the charge tended to do so because they were travelling on behalf of their employer, because they felt they had no choice, or because it was easier or more convenient and to save time.
	c. Does the document tell us about the impact of different transport policy measures on attitudes, including acceptability?	Yes, in relation to the London Congestion Charge, and details attitudes on transport and the environment after the introduction of the charge, e.g:

	d. Does the documer about the distribution different transport pomeasures?  e. Does the documer about the impact of out transport policy measures;	nt tell us lifferent sures on CO <sub>2</sub>	Eight percent of those who choose to 'stay and pay' say that they now travel in the western extension zone less often than prior to the introduction of charging, while 20 percent say that they travel more often. Most were not anticipating any changes in the frequency of travel in the longer term. This reflects the fact that those who continue to drive in the zone after the introduction of charging are relatively price-insensitive and committed to travel by car.  Briefly discusses this in terms of the impact of the congestion charge on low and higher income households, the elderly and disabled and their willingness to travel into the zone, or use an alternative to the car.
	groups?		
PART C - ROBUSTNES			
To what extent is the document evidence based e.g. is it based on empirical research, best practice or informed opinion; comment on any limitations acknowledged by authors; if research based, how representative is sample, are results interim?		survey data e some deeper	dside surveys, telephone surveys, traffic tc. The report is a summary of results, and analysis into the reasons behind these results, d on informed opinion.
Method of publication r (please specify if known)	eview		

PART A - BASIC	INFO	RMATION				
Author(s)		Barham, P, and May, A (University of Leeds) Year of publication 2009				
Title/publication	1	CURACAO: State of the Art Review, Ch.10: Equity				
Context	Type of publication e.g. journal article, other article, book, book chapter, working paper, report, conference paper, response to government consultation			Report		
	Туре	of study e.g. literature review, survey		Review of literature and practice		
		graphic – country, region, city		Looks at schemes worldwide, e.g. UK, America, Paris		
		ple size (if relevant)				
PART B – FOCUS			ı			
1. Different social groups		a. Does the document tell us anything about the reaction of different social groups to transport policy measures (which groups are covered)?	<ul><li>Yo</li><li>Ur</li><li>Pe</li><li>Dis</li></ul>	<ul> <li>Unemployed people;</li> <li>People in low paid work;</li> <li>People from minority ethnic communities;</li> <li>Disabled and mobility-impaired people; and</li> <li>Older people.</li> </ul>		
		b. Does the document tell us anything about travel problems experienced by the different social groups? If so, does it also tell us how transport policy measures might impact on them?	Section on how the adverse equity e may be reduced by:			
2. Different transport policy measures		a. Does the document tell us anything about different transport policy measures (which measures are covered)?	Road	pricing only		
		b. Does the document tell us about the impact of different transport policy measures on behaviour?	pricing conge  The au Charg come increat zone, expectimples	impacts of the introduction of road g discussed, e.g. using the London stion zone as an example:  nnual Central London Congestion we Impacts Monitoring Report has so far up with no evidence of traffic volumes asing in areas just outside the charging which is a phenomenon that was widely sted prior to the scheme's mentation.		
		c. Does the document tell us about the impact of different transport policy measures on attitudes, including acceptability?	General improvements of the endown	some information about acceptability of studies, e.g. London congestion zone.  rally, there has been a consensus that vements have been made to air quality, avironment in general, the provision of ervices, bus journey times, traffic		

			congestion and car journey times.
	d. Does the document about the distribution different transport polymeasures?	al effects of	The importance of the equity aspect of urban road user charging lies in the fact that the "winners" and "losers" as a result of a scheme might come from different socioeconomic groups.
			With the introduction of a charging scheme, the most likely to be disadvantaged are those who have least flexibility in making life changes.
			Describes the effect a scheme may have on residents compared to non-residents, and car users and public transport users who enter the charging area.
			Makes comparisons between the effects on lower income and higher income groups – the distributional effects of road pricing depend on the reinvestment of monies into public transport, walking and cycling.
			Some summary of other studies of the issues:
			One slightly surprising outcome of Bureau and Glachant's analysis was that there was no difference in the distribution of impacts whether toll revenues were used to reduce public transport fares, or whether they were given as a lump sum to all commuters.
	e. Does the document tell us about the impact of different transport policy measures on CO <sub>2</sub> emissions of different social groups?		No
PART C - ROBUSTNES			
To what extent is the document evidence based e.g. is it based on empirical research, best practice or informed opinion; comment on any limitations acknowledged by		sources: pred	equity impacts comes in the main from three lictive modelling, attitudinal research and dence from implemented schemes.
authors; if research based, how representative is sample, are results interim?		Report is based on evidence collated from research and practice over the period to the end of 2008.	
			els and surveys undertaken including both schemes and proposed schemes.
Method of publication r (please specify if known)	eview		

PART A - BASIC	INFOI	RMATION		
Author(s)	David Levinson			Year of publication 2009
Title/publication	Equit	y Effects of Road Pricing: A Review		
Context	Type of publication e.g. journal article, other book, book chapter, working paper, report, conference paper, response to government consultation		article,	Working paper
		of study e.g. literature review, survey		Literature review
		graphic – country, region, city		
	Sam	ole size (if relevant)		
PART B – FOCUS	3			
1. Different socia groups	I	a. Does the document tell us anything about the reaction of different social groups to transport policy measures (which groups are covered)?	use th for par	e toll, those which are reluctant to use rticular case studies.
		b. Does the document tell us anything about travel problems experienced by the different social groups? If so, does it also tell us how transport policy measures might impact on them?	Only after the implementation of road pricing schemes, not generally.	
2. Different transport policy measures		a. Does the document tell us anything about different transport policy measures (which measures are covered)?	Road pricing (congestion charging, national road pricing, cordons, toll roads etc).	
		b. Does the document tell us about the impact of different transport policy measures on behaviour?	e.g.:whill Schen and bu 43.9% travel reduct	le the Singapore Area Licensing me reduced peak hour traffic by 65%, us ridership increased from 35.9 to 5; more travelers (44.1%) saw longer time and fewer (36.1%) saw a tion as slower (and now more crowded) substituted for faster cars.
		c. Does the document tell us about the impact of different transport policy measures on attitudes, including acceptability?	e.g.:four lanes though of the A stud lower- almos wealth facility	nd lower-income drivers approved of the almost as much as wealthier drivers, h wealthier drivers did make more use facility.  By of SR91 by Sullivan (2000) found income drivers approved of the lanes t as much as wealthier drivers, though nier drivers did make more use of the trivers did make more use of the trivers did make more use of the trivers.

			acceptability', which includes results of focus groups in the UK.
	d. Does the document tell us about the distributional effects of different transport policy		Yes, road pricing – chapter 6.2 is entitled 'Assessing Winners and Losers'.
	measures?	•	Many low income travelers do not own a car, and thus won't pay user charges, (and may benefit from revenue recycling if the money is invested in transit modes), while those low income travelers who do use a car spend an above average share of income on travel.
			All measures indicate that the welfare is distributed more unequally after the introduction of road pricing than before. Both components of the welfare changes analysed before contribute to this effect. The toll itself as well as the travel time gains separately enlarge inequality. Revenue recycling can remedy the inequity provided the toll collection costs are not too high.
	e. Does the document tell us		No
	about the impact of d		
	transport policy meas		
	emissions of different	t social	
PART C – ROBUSTNES	groups?		
		Sololy a rovia	w of proviously published literature, case
To what extent is the document evidence based e.g. is it based on empirical research,		Solely a review of previously published literature, case studies and simulated findings	
best practice or informed opinion;		Studies and Si	indiated indings
comment on any limitations acknowledged by			
authors; if research based, how representative			
is sample, are results interim?			
	Method of publication review		
(please specify if known)			

PART A - BASIC	INFORMATION		
Author(s)	Peter Bonsall and Charlotte Kelly	Year of publication 2005	
Title/publication		n: The impact of congestion charges on at-risk	
•	groups		
Context	Type of publication e.g. journal article, other book, book chapter, working paper, report, conference paper, response to government consultation		
	Type of study e.g. literature review, survey	Literature review and investigation of a synthetic population (charging in Leeds)	
	Geographic - country, region, city	Case study of Leeds	
	Sample size (if relevant)	·	
PART B - FOCUS			
1. Different socia groups	a. Does the document tell us anything about the reaction of different social groups to transport policy measures (which groups are covered)?	The literature identifies a number of groups who are potentially at-risk from the introduction of road charges. The main one	
		will be those low-income drivers who either have to stop travelling, so lowering their mobility levels, or have to pay the charge (if they have no alternative) so putting an extra strain on their already limited resources.	
	b. Does the document tell us anything about travel problems experienced by the different social groups? If so, does it also tell us how transport policy measures might impact on them?	Yes, briefly with regards to charging:  The introduction of charges gives additional choice to affluent groups but may present serious problems to those for whom the new charges represent a significant part of their available income.  However, if the revenues are used to improve the transport system, to provide alternative modes of transport or to provide alternative means of participating in the normal activities.	
0.0%		of society, this immediate effect may be offset and the net effect may even be to reduce the number of people who are socially excluded.	
2. Different transpolicy measures	anything about different transport policy measures (which measures		
	are covered)?	Cordon crossing charges at each of three cordons, distance-related charges within two charge areas, and time related charges within an inner area.	
	b. Does the document tell us about the impact of different transport policy measures on behaviour?	Using the modeling technique, it identifies groups of people likely to pay the charge, and those not likely to.	
		If road user charging is introduced some	

c. Does the document about the impact transport policy in attitudes, including d. Does the document the distribution different transport measures?	of different neasures on g acceptability? ment tell us tional effects of	drivers will reduce their car use due to the charge and others will have to make economies elsewhere. Either eventuality could have serious consequences for some people and could make it difficult for them to continue to participate in society.  No  Theoretically, yes using a modeled population. Tells us about the potential impact of different charging schemes upon different sections of society, e.g. the disabled, lone parents, over 60's.  Six different schemes are tested within the model, and the number of people effected by each different scheme is assessed and compared.  The spatial distribution of the origins or destinations of trips affected by the charges can be very helpful in understanding the distribution of impacts. This is considered in
e. Does the docu about the impact transport policy n emissions of diffe	of different neasures on CO2	No No
groups?		
PART C – ROBUSTNESS	A := / / /	and a parameter and it is it
To what extent is the document evidence based e.g. is it based on empirical research best practice or informed opinion; comment on any limitations acknowledged be authors; if research based, how representation is sample, are results interim?	synthetic pop impacts on at schemes in L ve  The Popgen- and monte ca of travellers for sources but no	T methodology uses iterative proportional fitting arlo simulation to 'generate' the characteristics from probabilities derived from a variety of most particularly the small-area-statistics
available from the National Household Census. The me then uses select-link-analysis and other routines from a standard traffic assignment package to identify which individuals would be affected by a given policy.  Method of publication review please specify if known)		

PART A – BASIC	INFO	RMATION		
Author(s)	Gord	Year of publication 2005		
Title/publication	UK		· .	onses to road user charging in Leeds,
Context	Type of publication e.g. journal article, other a book, book chapter, working paper, report, conference paper, response to government consultation		article,	Journal article
		of study e.g. literature review, survey		Literature review and modelling results
	Geog	graphic – country, region, city		
		ple size (if relevant)		
PART B – FOCUS				
1. Different social groups		a. Does the document tell us anything about the reaction of different social groups to transport policy measures (which groups are covered)?	Comparisons made between most and least affluent communities in Leeds, if theoretical congestion charge scenarios were to be introduced – all comparisons relate to environmental justice – air quality etc.	
		b. Does the document tell us anything about travel problems experienced by the different social groups? If so, does it also tell us how transport policy measures might impact on them?	No	
2. Different transport policy measures		a. Does the document tell us anything about different transport policy measures (which measures are covered)?	Congestion charging via a cordon in central Leeds.	
		b. Does the document tell us about the impact of different transport policy measures on behaviour?	No	
		c. Does the document tell us about the impact of different transport policy measures on attitudes, including acceptability?	No	
		d. Does the document tell us about the distributional effects of different transport policy measures?	differe	at equity and environmental impacts of ent charging scenarios in Leeds, and the (1993) situation.
			effect	s a comparison of the environmental of schemes upon the most and least ed communities in Leeds.
			inequi with d higher	nalysis shows that there is social ity in the distribution of NO2 in Leeds, be reprived areas experiencing significantly atmospheric concentrations than bunities of average or above average note.
			Road	user charging also reduces inequity in

	exposure to NO2, with reduction varying acco		
e. Does the documer about the impact of of transport policy mease emissions of different groups?	introduction of different Leeds. Compares lowe quartiles (Townsend in following variables: une overcrowding; non-car Ownership).  This paper investigates between urban air quad deprivation for the city indicate a significant de inequity exists in Leeds transport strategies individual will be reduced through and, perhaps contrary user charging is also convironmental equity.	charging scenarios in r and upper Townsend dex comprises the employment; ownership; nonhome sthe relationship lity (as NO2) and social of Leeds, UK. Results egree of environmental s. Analysis of the licates that this inequity in natural fleet renewal, to expectations, road apable of promoting The environmental evever, sensitive to road	
PART C – ROBUSTNESS	There were a realized than the realized of the land	-  -	
To what extent is the document evidence based e.g. is it based on empirical research,	0 , ,	ough application of a series of linked dynamic models of	
best practice or informed opinion;	traffic simulation and assignment, vehicle emission, and pollutant dispersion, the environmental equity implications of		
comment on any limitations acknowledged by	a series of urban transport strategies,		
authors; if research based, how representative	cordon and distance-based charging,		
is sample, are results interim?	development, and emission control ar		
Method of publication review (please specify if known)			

PART A - BASIC	INFO	RMATION			
Author(s)	Fiona Raje´ Year of publication 2003				
Title/publication		mpact of transport on social exclusion	n proces	sses with specific emphasis on road	
		charging			
Context		of publication e.g. journal article, other	article,	Journal article	
	book, book chapter, working paper, report,				
		rence paper, response to government ultation			
		of study e.g. literature review, survey		Literature review and summary of	
	Type	or Study e.g. merature review, survey		focus group research	
	Geor	graphic – country, region, city		Bristol	
		ple size (if relevant)		105 people	
PART B – FOCUS		oro orza (n roiovani)		100 000010	
1. Different socia		a. Does the document tell us	Yes, tl	hrough the results of focus groups.	
groups	-	anything about the reaction of	. 55, 1.	modgir the recalle or recal grouper	
groups		different social groups to transport	The fo	ocus group research described in this	
		policy measures (which groups are		has been carried out in Bristol to	
		covered)?	facilita	ate an examination of how gender,	
			ethnic	ity and lifecycle influence travel and	
			partici	pation behaviour.	
			_		
				groups were undertaken with different	
				s, e.g. one with solely older people, one	
			with members of the African–Caribbean community and women.		
		b. Does the document tell us	Yes, through questions in the focus groups		
		anything about travel problems	relating to travel problems. However, answer		
		experienced by the different social		sually specific to the Bristol area, e.g.	
		groups? If so, does it also tell us		nts from Easton having trouble visiting	
		how transport policy measures	the nearby area of St. Paul's.		
		might impact on them?		,	
2. Different trans	port	a. Does the document tell us	Conge	estion charging (Bristol)	
policy measures	•	anything about different transport		3 3 ( )	
		policy measures (which measures			
		are covered)?			
		b. Does the document tell us	_	sis of different people's probable	
		about the impact of different		ioural responses to road user charging	
		transport policy measures on		would they like to see a scheme	
		behaviour?		te, where should revenue be targeted	
		c. Does the document tell us	etc.	ions in the focus group related to	
		about the impact of different		otions of charging, existing knowledge	
		transport policy measures on		rging and attitudes towards the	
		attitudes, including acceptability?		uction of a scheme in Bristol:	
		and the second s			
			Public	acceptability requires that residents	
				at they are involved in the process of	
			policy	-making and introduction.	
			l	<u> </u>	
			-	do not want to see large scale	
			_	eering projects but need adjustments	
			ana ei	nhancements to existing services: more	

d. Does the document about the distribution different transport po measures?	nal effects of	flexibility in demand responsive transport and extension of its hours of service, accessible bus fleets, readily available and appropriate forms of public transport information, security improvements, public transport routes shaped along lines that reflect community connections.  Makes some observations on this which come out as a result of the focus groups, also makes recommendations for further work.  The focus group evidence indicates that there is a clear need for local authorities to consider the wider impacts of proposed congestion charging schemes on different social groups. An equity audit would facilitate the examination of the key issues that need to be addressed in introducing such a scheme.
e. Does the document about the impact of contracts transport policy means the different agroups?	different sures on CO <sub>2</sub>	No
PART C – ROBUSTNESS		
To what extent is the document evidence based e.g. is it based on empirical research, best practice or informed opinion; comment on any limitations acknowledged by authors; if research based, how representative is sample, are results interim?	Department for charging and inclusion/excl  Based on foculiterature reviews  Focus groups	is part of a larger project funded by the or Transport on the impacts of road user workplace parking levies on social usion.  us groups undertaken in Bristol, and also some ew in the introduction section.  were undertaken with 105 people in 2002.  volved focus group participants to complete a
Method of publication review (please specify if known)		

Title/publication Context  PART B – FOCUS 1. Different social	Equit Type book, confe consu Type Geog	chev, D, Menaz, B y and Accessibility (Third Annual The of publication e.g. journal article, other book chapter, working paper, report, rence paper, response to government ultation of study e.g. literature review, survey graphic – country, region, city ole size (if relevant)		Research report  Literature/policy review
PART B – FOCUS  1. Different social	Type book, confe consu Type Geog	of publication e.g. journal article, other book chapter, working paper, report, rence paper, response to government ultation of study e.g. literature review, survey graphic – country, region, city		Research report  Literature/policy review
PART B – FOCUS  1. Different social	book, confe consu Type Geog	book chapter, working paper, report, rence paper, response to government ultation of study e.g. literature review, survey graphic – country, region, city	article,	Literature/policy review
1. Different social	Geog	graphic – country, region, city		
1. Different social	Geog	graphic – country, region, city		
1. Different social				Europe
1. Different social		, , , , , , , , , , , , , , , , , , ,		
groups		a. Does the document tell us anything about the reaction of different social groups to transport policy measures (which groups are covered)?	No	
		b. Does the document tell us anything about travel problems experienced by the different social groups? If so, does it also tell us how transport policy measures might impact on them?  Yes, briefly describes some problems by disabled, non-drivers elderly peop other disadvantaged groups. Outlines 'solutions' from other research/projec examples:  European research identified various that hinder the development and the		abled, non-drivers elderly people and disadvantaged groups. Outlines some ons' from other research/projects. Other oles:  ean research identified various barriers inder the development and the ation of the transport services in rural
			variou people catego	ean research provided insight into the is obstacles to cross-border mobility of e at local and regional level. Three main pries of obstacles were identified that the operation of cross-border public port.
			Norwegian research was conducted into I public transport can be better adapted to users' needs. Good physical accessibility floor buses, etc) and good "mental" accessibility (simple network, easy-to-understand information, simple fares structure, etc) were acknowledged as important factors which increase public transport use.	
2. Different transp policy measures	ort	a. Does the document tell us anything about different transport policy measures (which measures are covered)?	thus m • Mo • Mo • La Some,	factors affect physical accessibility and nust be taken account of: obility obility substitutes nd use  , very briefly, used to overcome social sion, mobility or accessibility problems,

#### Knowledge Review of the SDIs of DfT Climate Change Policy Options Final Report Appendix 9

b. Does the documer	nt tell us	No
about the impact of c	different	
transport policy measure		
behaviour?		
c. Does the documer	nt tell us	No
about the impact of c	different	
transport policy meas	sures on	
attitudes, including a	cceptability?	
d. Does the document	nt tell us	No
about the distribution	nal effects of	
different transport po	olicy	
measures?		
e. Does the document	nt tell us	No
about the impact of c	different	
transport policy meas	sures on CO <sub>2</sub>	
emissions of differen	t social	
groups?		
PART C – ROBUSTNESS		
To what extent is the document evidence	Solely a revie	w of European projects and current policies.
based e.g. is it based on empirical research,	All based upo	n work of other authors.
best practice or informed opinion;		
comment on any limitations acknowledged by		
authors; if research based, how representative		
is sample, are results interim?		
Method of publication review	Peer review	
(please specify if known)		

PART A - BASIC	INFORMATION					
Author(s)	Beacon Council Research Report (ODPM)		Year of publication 2001			
Title/publication						
Context	Type of publication e.g. journal article, other article book, book chapter, working paper, report, conference paper, response to government consultation		Government Report – Advisory to Local Authorities (best practice, what should they be doing etc)			
	Type of study e.g. literature review, survey		Best Practice			
	Geographic – country, region, city		UK			
	Sample size (if relevant)					
PART B – FOCUS	S					
1. Different social groups	a. Does the document tell us anything about the reaction of different social groups to transport policy measures (which groups are covered)?	No				
	b. Does the document tell us anything about travel problems experienced by the different social groups? If so, does it also tell us how transport policy measures might impact on them?	Very briefly – outlines groups which Local Authorities should consider when trying to understand access and mobility needs, e.g. mobility impaired, different age groups.				
2. Different transport policy measures	a. Does the document tell us anything about different transport policy measures (which measures are covered)?	So Co acc	Mainly just emphasises that land use planning and transport should have accessibility at their heart, no detail about specific measures.  Some brief suggestions about what Councils should do to encourage accessibility, but vague, e.g:  Targeting public transport improvements on commuter routes such as putting in bus priorities, developing park and ride or providing feeder services to commuter rail.  No			
	b. Does the document tell us about the impact of different transport policy measures on behaviour? c. Does the document tell us about the					
	impact of different transport policy measures on attitudes, including acceptability?					
	d. Does the document tell us about the distributional effects of different transport policy measures?	No				
<b>DADT</b> 0 202	e. Does the document tell us about the impact of different transport policy measures on CO <sub>2</sub> emissions of different social groups?	No	No			
PART C – ROBU						
empirical research comment on any li how representative	s the document evidence based e.g. is it based in the bas		Some best practic guidelines to Loca			
Method of public	ation review (picase specify if known)					

PART A – BASIC	INFO	RMATION				
Author(s)	Profe	essor John Adams		Year of publication 2001		
Title/publication	Hypermobility: too much of a good thing (PIU Transport Seminar)					
Context	book, confe	e of publication e.g. journal article, other a book chapter, working paper, report, rence paper, response to government ultation	article,	•		
		of study e.g. literature review, survey		Review of current practice		
		graphic – country, region, city		International		
		ple size (if relevant)		N/A		
PART B - FOCUS	<b>3</b>					
1. Different social groups	I	a. Does the document tell us anything about the reaction of different social groups to transport policy measures (which groups are covered)?	No			
		b. Does the document tell us anything about travel problems experienced by the different social groups? If so, does it also tell us how transport policy measures might impact on them?	Some review of transport problems experienced by the poor.  Barriers – in the form of stringent visa requirement, difficult-to obtain work permits, and obstructive immigration requirements – are being raised to contain the numbers who seek to take advantage of the mobility afforded by technology.			
2. Different transport policy measures		a. Does the document tell us anything about different transport policy measures (which measures are covered)?	No			
		b. Does the document tell us about the impact of different transport policy measures on behaviour?  c. Does the document tell us about the impact of different transport	of so	really, more of a warning about the type ociety which will materialise if we are to		
		policy measures on attitudes, including acceptability?  d. Does the document tell us about the distributional effects of different transport policy measures?	Some description about the differences which will be experienced by the poor and wealthy within a hyper mobile society, e.g. if transport policy continues to promote car and air travel.			
PART C – ROBUS	STNES	e. Does the document tell us about the impact of different transport policy measures on CO <sub>2</sub> emissions of different social groups?	No			
To what extent is the document evidence based e.g. is it based on empirical research, best practice or informed opinion; comment on any limitations acknowledged by authors; if resear based, how representative is sample, are results interim?  Method of publication review (please specify if known)			ch	Some mention to statistics within the UK, but predominantly based on the opinion of the author.		
wethod of publica	ation i	review (please specify if known)				



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