Contents

	of editors and contributors eword by Daniel McFadden	viii xv
1	Introduction André de Palma, Robin Lindsey, Emile Quinet and Roger Vickerman	1
PAI	RTI TRANSPORT AND SPATIAL ECONOMY	
2	General equilibrium models for transportation economics	21
3	Johannes Bröcker and Jean Mercenier Transport in spatial models of economic development	46
4	Michael Wegener New economic geography: the role of transport costs	67
5	Miren Lafourcade and Jacques-François Thisse Transport costs and international trade	97
6	Alberto Behar and Anthony J. Venables City formation and transport costs Takatoshi Tabuchi	116
PA	RT II THE DEMAND FOR TRANSPORT	
7	Valuation of travel time savings	135
8	David A. Hensher Advances in discrete choice: mixture models Level Wellow and Mache Para Alring	160
9	Joan L. Walker and Moshe Ben-Akiva Dynamic traffic modeling	188
10	André de Palma and Mogens Fosgerau Activity-based travel demand analysis	213
11	Abdul Rawoof Pinjari and Chandra R. Bhat Economics of transport logistics Michel Beuthe	249
PA	RT III THE COST OF TRANSPORT	
12	Cost functions for transport firms	273
13	Leonardo J. Basso, Sergio R. Jara-Diaz and William G. Waters II Efficiency measurement theory and its application to airport benchmarking	298
14	Tae Hoon Oum, Katsuhiro Yamaguchi and Yuichiro Yoshida Theory of external costs Stef Proost	319

vi	A handbook of transport economics	
15	External costs of transport in the United States	341
15	Mark Delucchi and Don McCubbin	
16	External costs of transport in Europe	369
	Rainer Friedrich and Emile Quinet	396
17	The value of a statistical life	390
	Henrik Andersson and Nicolas Treich	425
18	Transport and energy	123
	Kenneth Button	
19	The full marginal costs of highway travel: methods and empirical estimation	444
	for North America Yossi Berechman, Bekir Bartin, Ozlem Yanmaz-Tuzel and Kaan Ozbay	
	Yossi Berechman, Bekir Bartin, Oziem Tammaz Tozer am	
PA	RT IV OPTIMAL PUBLIC DECISIONS	
		479
20	Surplus theory	7/7
	Yoshitsugu Kanemoto	501
21	The direct and wider impacts of transport projects: a review	
20	Peter Mackie, Daniel Graham and James Laird Price discrimination	527
22	Simon P. Anderson and Régis Renault	
23		561
25	Georgina Santos and Erik Verhoef	
24	. 0:0	586
21	Piet Rietveld	
25	1 1 1	604
	Caspar G. Chorus and Harry J.P. Timmermans	(24
26		624
	Alain Trannoy	650
27		030
	Jonathan L. Gifford	
P	ART V COMPETITION AND REGULATION	
28	Competition, regulation and public service obligations	661
20	Marco Ponti	
29	1: 1 to the transport sector	684
-	Elisabetta Iossa and David Martimort	=00
30	Public-private partnerships in transport	708
	Antonio Estache, Ellis Juan and Lourdes Trujillo	726
3		726
	Richard Arnott	744
3:	The industrial organization of competition in local bus services	
	Philippe Gagnepain, Marc Ivaldi and Catherine Muller-Vibes	763
3	3 Competition and regulation in rail transport Chris Nash	
	(NYIS NASA	

34	Airport governance and regulation: three decades of aviation system reform	779
	David Gillen	
35	Competition and regulation in air transport	797
	Anming Zhang, Yimin Zhang and Joseph A. Clougherty	
36	Competition and regulation in seaports	822
	Hilde Meersman, Eddy Van de Voorde and Thierry Vanelslander	
37	Competition and regulation in maritime transport	844
	Mary R. Brooks	
Nav	me index	869
	niect inder	887