

	Origin Destination Matrix (Year 2000)
19 0 0 0 10 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0

0 0 0 0 0 0 0 0		0 0 0 0 0 0 0	$\begin{smallmatrix} 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 &$
 0 0 0 0 0 0 0 0 0	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0		

Year 2015 Origin Destination Matrix (High Ca	E-13	Origin Destination Matrix (Year 2015) (High Case and Low Case)
1	M ode 2	12

		١		-	in Destina				_		_																
	1	2	30 Zo	4		7	7 8	M od	10		2 1:		15	16 1		19	20	21	22		24	25	26	27	28		30
1 2	1	0	0	0		-	0 0	0	0		0 (0		0 0	0	0	0	0	0	0	0	1 0	1 0	0	0	0
3	0	0	0	0		-	0 0	0	0		0 (0		0 0	15 3	0 1	0	0	0 1	0	49 22	0	0	0	0	0
4 5	0	0	0.0	0			0 0	0	0			0	0	-	0 0	0	0	0	. 0	Ö	0 .	146	0	Ö	. 0	0	0
6 7	0	0	0	0	0		0 0	0	0			0 0	0		0 0	0	0	0	0	0	0	13 0	0	. 0	0	0	0
8	0	0	0	0	0	0	0 0	0	0	0	0	0	0	0	0 0	0	0	0	0	0	0	0	0	0	0	0	0
9 10	0	0	0	0	0	-	0 0	0	0			0 0	0		0 0	0	0	0	0	0	0	0	0	0 6	0	0	0
11 12	0	0	0	0	0	· .	0 0	0	0	0		0 0	0	11.	0 0	. 0	0	0	0	0	0	241 0	0	0	0	0 2	0 20
13	0	0	0	0	0	0	0 0	0	0	0	0	0 0	0	0	0 0	1 0	3	1	0	1	0	7	5 0	4	0	0	0 39
14 15	0	0	0	0	0	0	0 0 0 0	0	0			00	0	0	0 0 0 0	0	0 1	0	0	0	0	206 3	0	0	0	0	0
16 17	0	0	13 0	0	0	0	0 0	0	0	0		0 0	0		0 0	1	0	0	0	1	0	0	0	4 0	0	0	1
18	0	0	0	0	25	0	0 0	0	0			0 0 0 0	0		0 0	0	0	0	0	0	0	0	0	0	0	0	0
19 20	0	0	0	0	0	0	0 0	0	0 3	81 0	0	0 0	0.0		0 0	0	0	0	0	0	0	0	0	0	0	0	0
21 22	0	0	0	0	0 114	0	0 0	6 40 44	0	0		0 0 0 0	0		00	0	0	0	0	0	0	0	0	0	0	0	0
23 24	0	0	0	1	3	0	0 0		0	0		1 0	0		0 0	0	0	0	0	0	0	0	0	0	0	0	0
25	0	0	0	3	42	0	0 0	0	0	0	0	4 87	0	0	0 0	0	0	13	0	0	0	0	0	0	0	0	0
26 27	0	0	0	0	0	0	0 0	0	0 1	0 1	66 G G	0 0 0 0	0		0 0	0	0	0	0	0 3	0	0 4	0	0	0	0	10
28 29	0	0	0	0	0	0	0 0	0 0	0	0		0 0 0 0	0	0	0 0	0	0	0	0	0	0	0	0	0	0	0	0
30	0	0	0	0	42	0	0 0	0	0	0 2	20	1 262	0	.1	0 0	. 0	0	0	0	0	0	0	0	5 0	0	0	0
1 2	0	0	0	0	0 0	0	0 0	0	0	0	0	0 0	0		0 0		0	0	0	0	0	0	0	0	0	0	0
3 4	0	0	0	0	0	0	0 0	. 0	0	0 0	-	0 0	0		0 0		0	0	0	0	0	0	0	0	0	0	0
5 6	0	0	0	0	0	0	0 0		0	0	_	0 0	0	0	0 0	0	0	0	0	0	0	0	0	0	0	0	.0
7	0	0	0	0	0	0	0 0	0	0	0	0	0 0	0	0	0 0		0	0	0	0	0	0	0	0	0	0 0	0
8 9	0	0	0	0	0	0	0 0	0	0	0	-	0 0	0	0	0 0	0	0	0	0	0	0	0	0	0	0	0	Ō
10 11	0	0	0	0	0	0	0 0		0	0	-	0 0	0	0	0 0	0	0	0	0	0	0	0	0	0	0	0	0 0
12 13	0	0	0	0	0	0	0 0		0	0	0	0 0	0	0	0 0	0	0	0	0	0	0	0	0	0 5	0	0	0 5
14	0	0	0	0	0	0	0 0	0	0	0	0	0 0	0	0	0 0	0	0	0	0	0	0	0	0	0	0	0	0
15 16	0	0	0	0	0	0 0	0 0		· 0	0 0	0 0	0 0	0	0	0 0	0	0	0	0	0 0	0	0	0	0	0	0	0
17 18	0	0	0	0	0	0 0	0 0		0	0	0	0 0	0	0	0 0	_	0	0	0	0	0	0	0	0	0	0	0
19	0	0	0	0	0	0	0 0	0	0	0	0	0 0	0	0 0	0 0	-	0	0	0	0	0	0	0	0	0	0	0
20 21	0	0	0	0	0	0	0 (0	0	0	0	0 0	0	0	0 0	0	0	0	0	0	0	0	0	0	0	0	0
22 23	0	0	0	0	0	0 0	0 (0	0	0	0 0	0	0	0 0	-	0	0	0	0	0	0	0	0	0	0	0
24 25	0	0		0	0 140	0	0 (0	0	0	0 0	0 48	0	0 0		0	0	0	0	0	0	0	0	0	0	0
26	0	0	54	0	107	0	0 0	0	0	0	0	0 0	0	0	0 0	0	0	0 .0	0	0	0	0	0	0 0	0	0 0	0
27 28	0	0		0	0 0	0 0	0 () 0	0	0	0	0 0	0	0	0 (0	0	0	0	0	0	0	0	0	0	0	0
29 30	0	0		0	0	0	0 (65 0	0 0	0 :	0 0 50 0	0	0	0 0		0	0	0	0	0	0	0	0 67	0	0	0
1 2	0	0		0	0	0	0 (0	0 0	0 0	0 0	0	0	0 0		0	0	0	0	0	0	0	0	0	0	0
3	0	0	0	0	0	0	0 (0	0	0	0	0 0	0	0	0 0	0	0	188	0	0	0	13 254	0	0	0	0 0	0 0
4 5	0	0		0	0	0	0 (0	0	0	0	0 0	1	0	0 (60	3	91	0	0	0	157	232	0	0	0	Ò
6 7	0	0		0	0	0 0		0 0	0	0 0	0	0 0	0.	0	0 (0	0	0	0	0	0	0	O O	0	0	0 0
8 9	0	0		0	. 0	0		0 0	0	0	0 0	0 0	0	0	0 (0	0	0	0	0	0	0	0	0	0	0
10	0	0	0	13	0	0	0	0 0	0	0	0	0 0	0	0	0 (0	101 0	0	0	0	433 264	0 652	0	0	65 0	0 0
11 12	0	0	0	0	0	0	0	0 0	0	0	0	0 0	0	0	0 . (0	0	0	0	0	0	0	0	0	0	0	0
13 14	0	0		0	0. 0	0 0		0 0	. 0	0	0	0 0	0	0	0 (0	0 42	0	0	0	0 65	0 25	0	0	0	0 22
15 16	0	0		0	0	0		0 0	0	0	0 0	0 0	0	0	0 (0	0	0	·0	0	0	. 0	0	0	0	0
17	0	0	0	0	0	0	0	0	0	0	0	0 0	0	0	0 () 0	0	0	0	0	0	0	0	0	0	0	0
18 19	0	0	0	0 13	0	0	0	0 0	0	0	0	0 0	Ō	Ō	0	0	0	0	0	0	0	0	0	0	0	0	0
20 21	0	0		0 38	0	0 0		0 0 0 0	0 0	0 13	0	0 0	0	0	0	0 0	0	0	0	0	0	0	0	0	0	0	0
22 23	0	0	0	0	0	0	0	0 0	0	0 0	0 0	0 0	0	0		0 0	0	0	0	0	0	0	0	0	0	0	0
24	0	0	0	0	0	0	0 -	0 0	0	0	0	0 0	0	0	0	0 0	0	0	0	0	0	0	0	0	0	0	0
25 26	0 1	0		114 0	105 4	0 0		0 0	0	89 0	0	0 0	0	0	0	0 0		0 0	0	0	0	0	0	0	0	0	0
27 28	0	0		0	42 0	0		0 0	0 0	0 0	0	0 0	0	0	-	0 0	0	0	0	0	0	0	0	0	0	0	0
29	0	0	0	0	0	0	0	0 0	0	0	0	0 0	0	0	0	0 0	0	0	0	0	0	0	0	0	0	0	0
30	0	0		0 = car	0 /pick up	0	0	0 0	0	0	U	0 0	U	U	U	u U	U	U	U	U	U	U	U	U	U	U	U

to

Appen	dix 8 7	1 · Pro	portio	nal Cha	ange in	Gene	ralised	Cost	of Trave	el due 1	to a Br	idge at	Kazun	igula																
From/to	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30
1	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00			-0.08						-0.05			-0.11	
2	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00		0.00	0.00	0.00	-0.10	-0.09	-0.10	-0.12		-0.12					-0.15	
3	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00				-0.10							-0.10		-0.17	-0.17 -0.10
4	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00		0.00	-0.12	-0.11	-0.12	-0.14	-0.13	-0.15						
5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	-0.13	-0.12 -0.10	-0.13	-0.16	-0.15	-0.17	0.10	0.10	-0.12	-0.16	-0.21	-0.23 -0.18
6	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00					-0.11	0.13	0.12	-0.14	-0.14	-0.12	-0.10 -0.11	-0.16	-0.10	-0.10
7	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00		-0.12	-0.11									-0.16	
8	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00		0.00	0.00	0.00		0.00	0.00	0.00	0.00	
9	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00		-0.10				-0.11			-0.12		-0.15	-0.19	
10	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	-0.17
11	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00		-0.03		-0.03			-0.05	-0.05	-0.04	-0.11	-0.06	-0.07	-0.09
12	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00			-0.14						-0.15	-0.10	-0.24	-0.28	-0.32
13	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00				-0.15						-0.14		-0.23	-0.26
14	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	-0.02	-0.02	0.00	-0.02	-0.02	-0.02	-0.03	0.00	0.00	-0.03	-0.03	-0.03 💢
10 16	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00 🛱
9 17	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.000
1 18	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
19	-0.09	-0.10	-0.11		-0.13				0.00	-0.10	0.00	-0.03	-0.16	-0.15	-0.02	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00 🖺
20	-0.08		-0.10	-0.11	-0.12	-0.10	-0.11	-0.10	0.00	-0.09	0.00	-0.03	-0.14	-0.13	-0.02	0.00	0.00	0.00		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
21	-0.05	-0.10	-0.11	-0.12	-0.13	-0.11	-0.12	-0.11	0.00	-0.09	0.00	-0.03	-0.12	-0.15	0.00	0.00	0.00	0.00		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
22	-0.10	-0.12	-0.13	-0.14	-0.16	-0.13	-0.14	-0.13	0.00	-0.12		-0.04				0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
23	-0.09	-0.11	-0.12	-0.13	-0.15	-0.12	-0.13	-0.12	0.00	-0.11		-0.04				0.00	0.00	0.00		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.009
24	-0.10	-0.12	-0.13	-0.15	-0.17	-0.14	-0.15	-0.14		-0.14		-0.05				0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
25	-0.10					-0.14				-0.15		-0.05				0.00	0.00	0.00		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
26	-0.05					-0.12				-0.12		-0.04			0.00	0.00	0.00	0.00		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
27	-0.02							-0.10		-0.15		-0.11			0.00	0.00	0.00	0.00		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
28		-0.13								-0.15		-0.06			-0.03	0.00	0.00	0.00		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
29	-0.11							-0.16		-0.19		-0.07			-0.03	0.00	0.00	0.00		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
30	-0.12	-0.16	-0.17	-0.19	-0.23	-0.18	-0.20	-0.18	-0.13	-0.∠3	-0.17	-0.09	-0.32	-0.20	-0.03	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	5.50						