





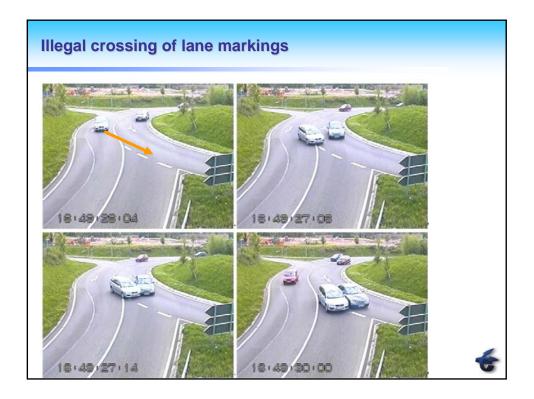




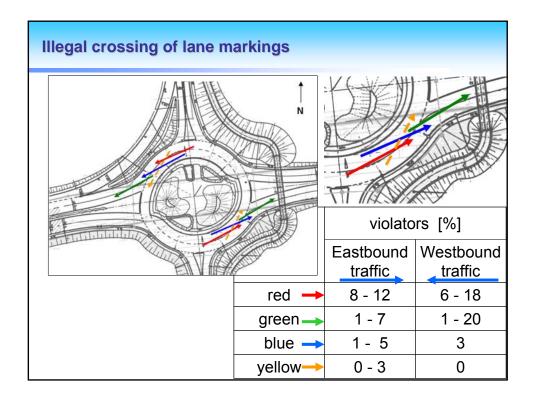


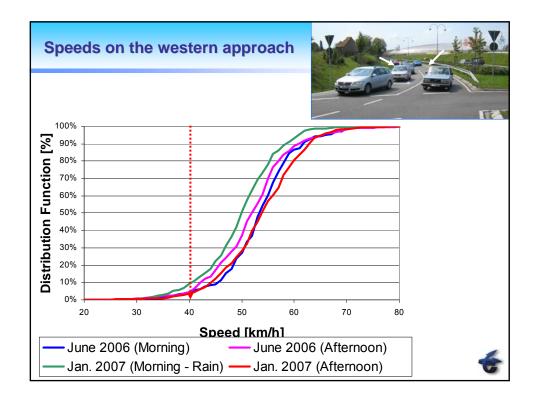
	(coming from	West to East m freeway A 5 o city centre)	B 500 from East to West (from city centre heading to freeway A 5)		
	left lane	right lane	left lane	right lane	
Entry	24 %	76 %	39 %	61 %	
Exit	23 %	77 %	40 %	60 %	
24% 76%			39%	61%	





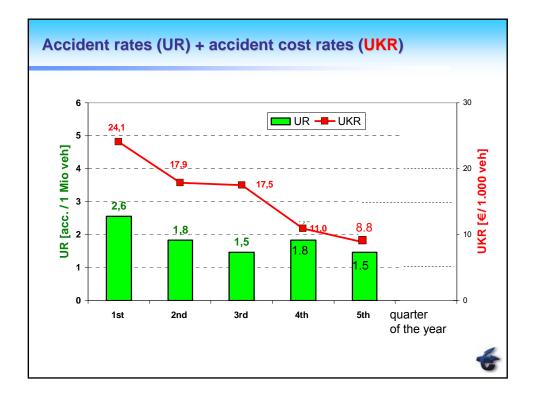




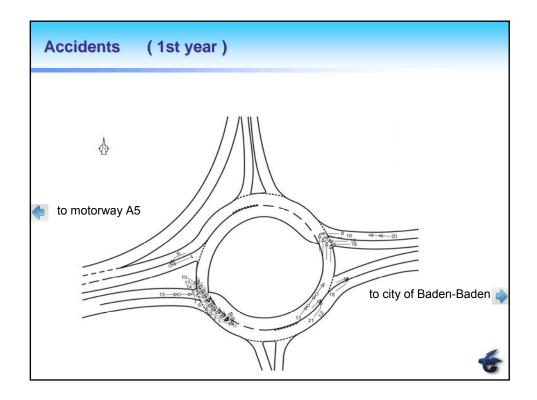


	critical	gap t <sub>c</sub>	follow-u	ıp time <sub>t</sub>
	absolute [s]	sample size [veh]	absolute [s]	sample size [veh]
two-lane entry	4.5	62	2.4	4667
single-lane entry	4.7	180	2.8	23

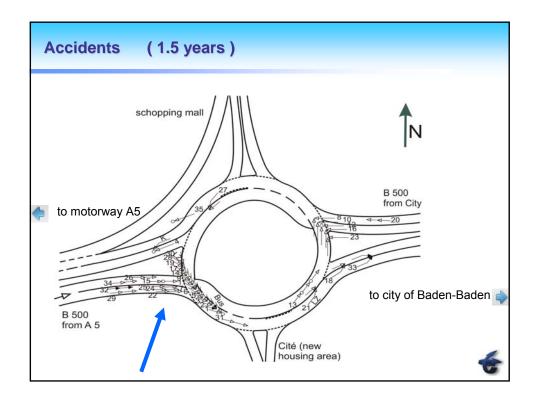
Tu Tu B E	apacity, averag ibo-Kieisveikehr an der I ibo_Beispiel_KREISEL i00 / Grünweg chmittagsspilzenstunde		and que	eue leng	th - only	y motor	ized tra	ffic				Fil Th	le: urbo_b600.ki	18	-1	
					Capacity.	average de	lay, and que	e length - on	ly motorize	d traffic						
_	Name	Type of	q-e-l pcu/h	q-e-r pcu/h	q-c-l pcu/h	q-c-r pcu/h	q-e-dema. pcu/h	gemax pcu/h	×	Reserve pcu/h	av. dly	L	L-95 peu	L-99 pcu	LOS	-
1	B 600 West (Richtung BAB)	36	657	986	0	359	1643	2040	0,81	397	9	2,8	12	18		-
2	Grünweg	-4	177	43	666	1090	220	308	0,71	88	39	1.7	7	9	D	
3	8600 Ost (Richlung City)		632	948	0	494	1500	1799	0,00	219	15	4,8	18	27	B	
4	Gewerbering	-4	178	0	640	1016	178	314	0,57	136	26	0,9	•	6	c	
4	Bypass			12	12.1	227	784	1400	0,56	616	6	37.5			A	
0 0 0 0	esult: verall performance l alculation settings elay: Kimber, Hollis (19 apacity:Germany: Turbo- ueue-length:Wu, 1937	979) with F-k	h - 0,0 / T	- 3600	Exit	■ ¶ T	F	htung BAB)	@ 1			**				
						4 44 74 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7	2 3 4 5	×44	0 3 0 4 0 5		∦ <i>∳</i> ∥ ⇒		**	A A		_

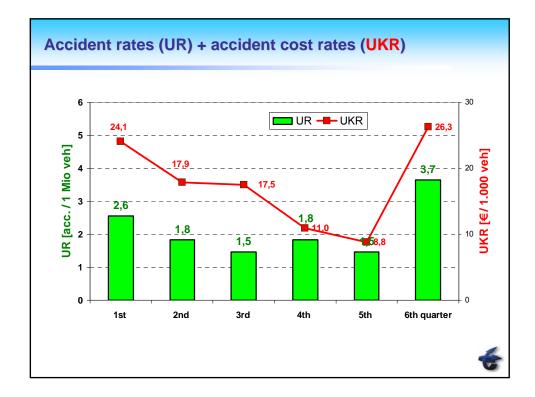


Accident rates (UR) + a		
	UR [acc. / 10 <sup>6</sup> veh]	UKR [EURO / 1.000 veh]
Turbo-R. Baden-Baden	1,9	17,60
Roundabout with presceening + lane marking (urban)	0,63 – 1,46	6,58 – 13,92
Roundabout with presceening + lane marking (rural)	3,29 – 4,43	17,08 – 36,26
Signalized intersection (3 stages)	1,2	39









Accident rates (UR) + a	ccident cost rate	es (UKR)
	UR [acc. / 10 <sup>6</sup> veh]	UKR [EURO / 1.000 veh]
Turbo-R. Baden-Baden	2.1	17,60
Roundabout with presceening + lane marking (urban)	0,63 – 1,46	6,58 – 13,92
Roundabout with presceening + lane marking (rural)	3,29 – 4,43	17,08 – 36,26
Signalized intersection (3 stages)	1,2	39
		4

Conclusions
Turbo-roundabout works
<ul> <li>is capable to treat large volumes of through-traffic under lower demand on the side approaches</li> </ul>
<ul> <li>no cyclists should be allowed</li> </ul>
<ul> <li>pedestrians ? (better not)</li> </ul>
no severe accidents
<ul> <li>safety needs carefull consideration (damage-only accidents)</li> </ul>
<ul> <li>problem: too low crossing volumes</li> </ul>
just one case! more experience needed
However: Enthusiastic planning activities !

