

Wilbur Smith Associates Study 2007

In a metropolitan area of approximately 1.8 million people:

- Up to 84,000 vehicles off the road every hour

Scenario Number						Operating Profit						
	1	2	3	4	5	6	7	8	9	10	11	12
Unit Cost*												
Parking	\$1.10	\$1.10	\$1.10	\$1.10	\$1.10	\$1.10	\$1.10	\$1.10	\$1.10	\$1.10	\$1.10	\$1.10
Skyweb Express	\$0.55	\$0.55	\$0.55	\$0.55	\$0.82	\$1.10	\$1.90	\$0.55	0.55*(1+(walk dist)^2)	PRT dist*0.5	\$0.55	\$0.55
Auto Characteristics												
Auto Person Trips	236,816	240505	252608	252516	264568	275502	298681	258290	246984	273412	252608	244791
Auto Person Trips along PRT Route	97057	100969	101761	113438	126204	137785	162338	119491	117361	134946	113536	113537
Auto Vehicle Trips	223172	227050	227050	239326	252024	263551	288001	245357	235488	260565	239424	232661
Vehicle Occupancy	1.1	1.1	1.1	1.1	1	1	1	1.1	1	1	1.1	1.1
Distance Travelled (Km)	4032055	4056646	4056646	4180246	4261967	4339706	4505582	4225084	4213697	4410402	4180422	7007338
Travel Time (Hours)	57188	57799	57799	60853	63316	65833	72099	62144	61830	68388	60861	57456
Skyweb Express Characteristics												
Track Length (Km ²)	275	275	275	275	275	275	275	275	275	275	275	275
Person Trips	85427	81738	69635	69727	57678	46741	23562	63953	73700	48830	69638	76397
Vehicle Trips	84794	81139	69325	69417	57433	46556	23489	63701	65693	48813	69325	69325
Vehicle Occupancy	1	1	1	1	1	1	1	1	1.1	1	1	1.1
Distance Travelled (Km)	956667	911813	911813	696184	557806	434154	176880	619027	861578	281387	695201	866660
Travel Time (Hours)	15944	15197	15197	11603	9297	7236	2948	10317	14359	4690	11587	14444
% Riders Using Skyweb in Region	27	25	22	22	18	15	7	20	23	15	22	24
% Riders Using Skyweb near route	47	45	41	38	31	25	13	35	39	27	38	40
Environmental Issues												
Automobile Energy Consumption (liters)	573565	576674	576674	592185	603056	613699	638281	597936	567538	624316	592227	570318
Automobile Output HC (Kg)	84047	84984	84984	84984	84984	84984	84984	92001	85099	102181	89896	84892
Automobile Output CO (Kg)	9209	9293	9293	9293	9293	9293	9293	9904	9208	107347	9728	9220
Automobile Output NOX (Kg)	5208	5226	5226	5226	5226	5226	5226	5345	5134	5470	5316	5167

Total number of people in vehicles

Actual number of vehicles used

Total percentage of potential riders using system

Percentage of potential riders who live near network and use system

* Original study was done in a different currency