

GLAESER'S ASSUMPTIONS

TRAVEL	Car Riders	Air Riders	Car/Air Dist	Train Dist	Train Dist A	Variable costs	Air Benefits	Net Air bfts.	Car bfts.	Net Car bfts.	Total Air bfts.	Total Car bfts.	Estimated Car bfts.
Houston-Dallas	n/a	1500000		240	240	n/a	72	140	68	n/a	102,000,000	n/a	n/a
ENVIRONMENT	Car Carbon	Air Carbon	Train carbon	Car Riders	Car carbon bfts.	Air Carbon bfts.	Car safety bfts. *	Car congestion bfts. **					
Houston-Dallas	157	133.7	32.1	750,000	2,341,875	1,905,000	8,640,000	13,860,000	26,746,875 << Total Enviro Benefits				

LAND USE BENEFITS

	Per Household	#HH Moving	Moving benefits	
Houston	164	100000	16,400,000	*Glaeser says this is 8.73 million. but his description doesn't back that up
Dallas	133	100000	13,300,000	**Glaeser says this is 8.67 million. but his description doesn't back that up
			29,700,000 << Total Land Use Benefits	

Total benefits > 158,446,875
648,000,000 << Annual Construction and Maintenance Costs
 (annual construction costs of \$600 m.+ maintenance of \$48m)

ALTERNATIVE VIEW

TRAVEL BENEFITS

	Car Riders	Air Riders	Car/Air Dist	Train Dist	Train Dist A	Variable costs	Air Benefits	Net Air	Car costs (b)	Net Car Bfts.	Total Air Bfts.	Total Car Bfts.	Estimated Car Bfts.
Houston-Dallas	3,030,000	2,140,000		240	300		90	140	50	120	30	107,000,000	90,900,000
College St-Houston*	260,000	260,000		100	97		29.1	190	160.9	50	20.9	41,834,000	5,434,000
College St-Dallas*	120,000	120,000		180	203		60.9	131	70.1	90	29.1	8,412,000	3,492,000
Waco-Dallas*	160,000	160,000		100	91		27.3	168	140.7	50	22.7	22,512,000	3,632,000
Waco-Houston*	150,000	150,000		180	209		62.7	227	164.3	90	27.3	24,645,000	4,095,000
Temple-Dallas*	380,000	380,000		150	126		37.8	131	93.2	75	37.2	35,410,000	14,136,000
Temple-Houston*	230,000	230,000		180	174		52.2	190	137.8	90	37.8	31,694,000	8,694,000
Austin-Houston	1,110,000	270,000		160	239	174	52.2	119	66.8	80	27.8	18,036,000	30,858,000
Austin-Dallas	1,370,000	350,000		200	191	126	37.8	119	81.2	100	62.2	28,420,000	85,214,000
San Antonio-Dallas	470,000	80,000		275	267	126	37.8	119	81.2	137.5	99.7	6,496,000	46,859,000
(*Estimated car benefits)	7,260,000	4,140,000	<< Total										
			11,420,000 << Total Riders										

ENVIRONMENT BENEFITS

	Car Carbon/trip	Air Carbon/trip	Car carbon bfts.	Air Carbon bfts.	Car safety bfts.	Car congestion bfts.	Train Carbon	
Houston-Dallas	156	134.4	11,817,000	7,190,400	21,414,479	34,352,393	0	
College St-Houston*	65	56	422,500	364,000	765,644	1,226,221	0	
College St-Dallas*	117	100.8	351,000	302,400	636,074	1,020,368	0	
Waco-Dallas*	65	56	260,000	224,000	471,166	755,828	0	
Waco-Houston*	117	100.8	438,750	378,000	785,092	1,275,460	0	
Temple-Dallas*	97.5	84	926,250	798,000	1,678,528	2,692,638	0	
Temple-Houston*	117	100.8	672,750	579,600	1,219,141	1,955,706	0	
Austin-Houston	104	89.6	2,886,000	604,800	5,229,938	8,380,693	0	
Austin-Dallas	130	112	4,452,500	980,000	8,068,712	12,943,558	0	
San Antonio-Dallas	178.75	154	2,100,313	308,000	3,806,135	6,105,675	0	
	Total >>		24,327,063	11,729,200	44,084,908	70,719,540		

150,860,710 << Total Enviro Benefits

LAND USE BENEFITS

	Per Household	#HH Moving	Airport land lease	Moving benefits
Houston	164	200000		32,800,000
Dallas	133	200000		26,600,000
College Station	157	5000	10,000,000	10,785,000
Waco	141	5000		705,000
Temple	149	5000		745,000

71,635,000 << Total Land Use Benefits
Total benefits > 840,274,710
810,000,000 << Annual Construction and Maintenance Costs
 (annual construction costs of \$750 m.+ maintenance of \$60m)