

















	N	Mean	Std.	Std. Er	ror		
			Deviation	Me	an		
Area1	1578	2.8927	1.1917	3.000E-	02		
Area2	1595	3.2986	1.3946	3.492E-	02		
ndependent	samples Te	est					
		Lever	ne's Test for		t-test for Equality of		
		Equality of	of Variances		Means		
			F	Sig.	t	df	Sig. (2-tailed
Equal variance	s assumed		47.044	.000	-8.810	3171	.00
Equal variances no	t assumed				-8.817	3105.396	.00
A t-test was areas from 2 LVD increas (M=2.9) from	used to e 2004 to 20 se in Area n 2004 to	examine th 006. The ro 2 (M=3.3) 2006.	e difference esult was s is significa	e of LVD ignifican antly larg	increase beto t and indicate er than that o	ween the 2 d that the f area 1	

ANOVA test of the Area 1 from 2000 to 2006

Descriptive statistics

	Mean	Std. Deviation	Ν
from 2000 to 2002	.7531	1.0348	1597
from 2002 to 2004	2.9202	1.6723	1597
from 2004 to 2002	3.0089	1.7653	1597

Multivariate Tests

Effect		Value	F	Hypothesis df	Error df	Sig.	Eta Squared
TIME	Pillai's Trace	.647	1464.254	2.000	1595.000	.000	.647
	Wilks' Lambda	.353	1464.254	2.000	1595.000	.000	.647
	Hotelling's Trace	1.836	1464.254	2.000	1595.000	.000	.647
	Roy's Largest Root	1.836	1464.254	2.000	1595.000	.000	.647

An ANOVA test was used to examine the difference of the LVD increase in area 1 in three different stages. The result was significant and indicated that LVD increase in Area 1 during the three stages (from 2000 to 2002, from 2002 to 2004, and from 2004 to 2006) is significantly different.

	Mean	N	Std	I. Std. Error			
			Deviation	n Mean			
rom 2002 to 2004	2.9198	1601	1.6709	9 4.176E-02			
rom 2004 to 2006	3.0173	1601	1.7929	9 4.481E-02			
	Differe	aired	0.1	014 5-00	t	df	Sig. (2-tailed)
	1	Vean	Std.	Std. Error			
002 to 2004 2004 to 2006	-9.75	29E- 02	2.4233	6.056E-02	-1.610	1600	.108

Conclusions for land value

"Before and After" Comparison

- Compared with the land value density increase in the whole city area, LVD in area 1 increased more rapidly since 2002, instead 2004, the year in which Yellow line was open
- A follow-up t-test showed that LVD increase between stage of 2002 to 2004 and stage of 2004 to 2006 is not significantly different
- LVD in area 2 increased more since 2002 too
- "Here and There" Comparison
- A independent t-test indicated that the LVD increase in Area 2 is significantly larger than that of area 1 from 2004 to 2006

Conclusions

 Neither "Before and After" nor "Here and There" comparisons shows outstanding effects of the Yellow line on land value

Part II:

The Effects of Yellow Line Light Rail on Land Use Pattern









					(Ur	nt: Square f	eet)
Area 1	2000	2006	Change	Area 2	2000	2006	Change
COM	4,991	582,306	577,315	COM	36,938	1350,476	1,313,538
SFR	630,432	530,990	-99,442	SFR	1414,548	162,108	1,252,440
MFR	10,078	196,556	186,478	MFR	4,999	277,079	272,080
IND	598,035	0	-598,035	IND	5,295	0	-5,29
RUR	0	54,775	54,775	RUR	0	715,158	71,518
VAC	80,331	18,546	-61,785	VAC	774,569	63,278	-711,29
total	1,323,867	1,383,173		total	2,236,349	2,568,099	,
CO MF RU	M: Commerc R: Multi-Fam R: Rural or fo	ial Land ily Land or Future Url	oan Land	SFR: Singl IND: Indus VAC: Vaca	e Family Lar trial Land ancy Land	d	

landuse	2000	landuse changes to	2006
SFR	630432	COM	465,036
	1 1	MFR	157,471
IND	598035	SFR	471.022
	1	MFR	26,947
	1 1	СОМ	114,771
VAC	80331	RUR	54,775
	1 1	SFR	20,603
MFR	10078	SFR	10,078
landuse	2000	landuse changes to	2006
landuse	2000	to	2006
SFR	1414548	СОМ	1,206,132
		MFR	156,143
		VAC	52,272
VAC	//4569	RUR	/15,15/
		SFR	31,378
			18,021
	5205		5 205
	3295	SED	3,295
	///////////////////////////////////////		4,999







