

**TECHNICAL APPENDIX H:  
FAIR-SHARE MITIGATION CALCULATIONS**

*to the*

**Final Environmental Impact Report**



*University Towne Center  
Revitalization Project*

**SCH No. 2002071071 LDR No. 41-0159/PTS No. 2214**

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**ATTACHMENT B**  
**FAIR-SHARE CALCULATIONS**



**PRELIMINARY FREEWAY FAIR-SHARE CALCULATIONS  
UTC REVITALIZATION PROJECT  
October 17, 2007**

**I-805 Freeway Improvements:**

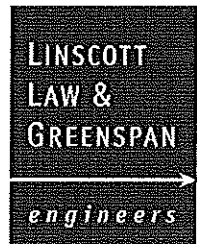
- Improvement = 4 Managed Lanes from I-8 to I-5
- Distance = 10.85 miles (28.50 – 17.65 post mile)
- Total Cost = \$374 million
- Average Cost Per Mile = \$34,470,000/mile
- Significant Impact #1  
Nobel Drive ramps to Governor Drive ramps= 0.557 miles (25.188 – 24.631 post mile)
- Significant Impact #2  
Governor Drive ramps to SR 52 ramps = 0.421 miles (24.303– 23.882 post mile)
- Source = SANDAG (April 2004)

**METHOD #1  
BASED ON ADT VOLUMES**

Freeway Segment	Formula <sup>1</sup> (ADT's)	Project Percentage	Miles	Cost/Mile (millions)	Project Fair-Share Cost
<b>I-805:</b> Nobel Drive to Governor Drive	$\frac{3,380}{239,860 - 209,000}$	10.95%	0.557	\$34.470	\$2,102,400
<b>I-805:</b> Governor Drive to SR 52	$\frac{3,380}{248,760 - 198,000}$	6.66%	0.421	\$34.470	\$966,500
<b>Total:</b>					<b>\$3,068,900</b>

**METHOD #2  
BASED ON COMBINED AM & PM PEAK HOUR VOLUMES<sup>2</sup>**

Freeway Segment	Formula <sup>1</sup> (Peak Hour Volumes)	Project Percentage	Miles	Cost/Mile (millions)	Project Fair-Share Cost
<b>I-805:</b> Nobel Drive to Governor Drive	$\frac{387}{38,505 - 33,688}$	8.03%	0.557	\$34.470	\$1,541,800
<b>I-805:</b> Governor Drive to SR 52	$\frac{387}{39,940 - 31,916}$	4.82%	0.421	\$34.470	\$699,500
<b>Total:</b>					<b>\$2,241,300</b>



**METHOD #3  
BASED ON PM PEAK HOUR VOLUMES<sup>3</sup>**

Freeway Segment	Formula <sup>1</sup> (PM Peak Hour Volumes)	Project Percentage	Miles	Cost/Mile (millions)	Project Fair-Share Cost
<b>I-805:</b> Nobel Drive to Governor Drive	$\frac{304}{20,015 - 17,420}$	11.72%	0.557	\$34.470	\$2,250,200
<b>I-805:</b> Governor Drive to SR 52	$\frac{304}{20,757 - 16,504}$	7.15%	0.421	\$34.470	\$1,037,600
<b>Total:</b>					<b>\$3,287,800</b>

**Footnotes:**

1. Project Trips / (Future Traffic with Project – Existing Traffic without Project)
2. AM (NB & SB) + PM (NB & SB)
3. PM (NB & SB)