

Pricing a Managed Lane: So Many Options Fixed Variable Pricing

91 Express Lanes Congestion Pricing Solution



What is Fixed Variable Pricing

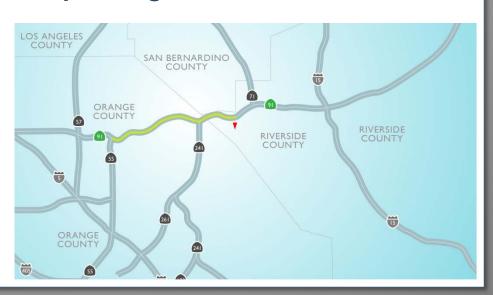
- Toll pricing strategy that charges a fee, or toll, to travel on roadway.
- Toll varies according to the time of day and day of the week.
- Tolls are high when congestion is heavy, reduces during lower demand.





History - 91 Express Lanes

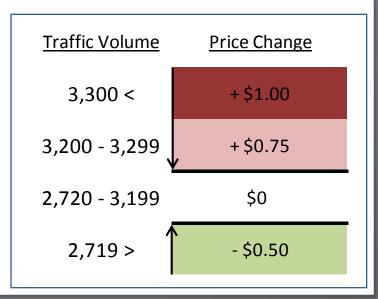
- Developed by the California Assembly Bill 680 opened in December 1995
- World's first fully automated toll road
- First U.S. use of congestion pricing
- Up to 30 minutes saved per trip





How Tolls are established

- Toll Policy adopted July 2003
- "Super Peak"- Hourly period, per day and per direction with traffic volume use which exceeds 92% of maximum optimal capacity (3,128+ vehicles per hour)
- Toll are reviewed every 6 Months
- OCTA Board is informed
 10 days before adjustments





Established Toll Rates

Faethound

Toll Rates as of July 1, 2013

9 Express Lanes		Effective July 1, 2013			SR-55 to Riverside Co. Li			
	Sun	М	Tu	W	Th	F	Sat	
Midnight	\$1.40	\$1.40	\$1.40	\$1.40	\$1.40	\$1.40	\$1.40	
1:00 am	\$1.40	\$1.40	\$1.40	\$1.40	\$1.40	\$1.40	\$1.40	
2:00 am	\$1.40	\$1.40	\$1.40	\$1.40	\$1.40	\$1.40	\$1.40	
3:00 am	\$1.40	\$1.40	\$1.40	\$1.40	\$1.40	\$1.40	\$1.40	
4:00 am	\$1.40	\$1.40	\$1.40	\$1.40	\$1.40	\$1.40	\$1.40	
5:00 am	\$1.40	\$1.40	\$1.40	\$1.40	\$1.40	\$1.40	\$1.40	
6:00 am	\$1.40	\$2.20	\$2.20	\$2.20	\$2.20	\$2.20	\$1.40	
7:00 am	\$1.40	\$2.20	\$2.20	\$2.20	\$2.20	\$2.20	\$1.40	
8:00 am	\$1.75	\$2.20	\$2.20	\$2.20	\$2.20	\$2.20	\$2.20	
9:00 am	\$1.75	\$2.20	\$2.20	\$2.20	\$2.20	\$2.20	\$2.20	
10:00 am	\$2.75	\$2.20	\$2.20	\$2.20	\$2.20	\$2.20	\$2.75	
11:00 am	\$2.75	\$2.20	\$2.20	\$2.20	\$2.20	\$2.20	\$2.75	
Noon	\$3.25	\$2.20	\$2.20	\$2.20	\$2.20	\$3.35	\$3.25	
1:00 pm	\$3.25	\$3.10	\$3.10	\$3.10	\$3.35	\$5.25	\$3.25	
2:00 pm	\$3.25	\$4.40	\$4.40	\$4.40	\$4.55	\$3.10	\$3.25	
3:00 pm	\$2.75	\$4.75	\$3.70	\$3.95	\$4.45	\$9.55	\$3.25	
4:00 pm	\$2.75	\$4.55	\$5.80	\$7.00	\$9.20	\$9.35	\$3.25	
5:00 pm	\$2.75	\$4.85	\$5.25	\$6.50	\$8.55	\$6.00	\$3.25	
6:00 pm	\$2.75	\$4.75	\$3.60	\$3.60	\$4.40	\$5.65	\$2.75	
7:00 pm	\$2.75	\$3.35	\$3.35	\$3.35	\$4.85	\$5.30	\$2.20	
8:00 pm	\$2.75	\$2.20	\$2.20	\$2.20	\$3.10	\$4.85	\$2.20	
9:00 pm	\$2.20	\$2.20	\$2.20	\$2.20	\$2.20	\$3.10	\$2.20	
10:00 pm	\$1.40	\$1.40	\$1.40	\$1.40	\$1.40	\$2.20	\$1.40	
11:00 pm	\$1.40	\$1.40	\$1.40	\$1.40	\$1.40	\$1.40	\$1.40	

Toll Schedule

Express Lanes			e July 1,		Riverside Co. Line to SR-5			
	Sun	М	Tu	W	Th	F	Sat	
Midnight	\$1.40	\$1.40	\$1.40	\$1.40	\$1.40	\$1.40	\$1.40	
1:00 am	\$1.40	\$1.40	\$1.40	\$1.40	\$1.40	\$1.40	\$1.40	
2:00 am	\$1.40	\$1.40	\$1.40	\$1.40	\$1.40	\$1.40	\$1.40	
3:00 am	\$1.40	\$1.40	\$1.40	\$1.40	\$1.40	\$1.40	\$1.40	
4:00 am	\$1.40	\$2.60	\$2.60	\$2.60	\$2.60	\$2.60	\$1.40	
5:00 am	\$1.40	\$4.20	\$4.20	\$4.20	\$4.20	\$4.05	\$1.40	
6:00 am	\$1.40	\$4.40	\$4.40	\$4.40	\$4.40	\$4.20	\$1.40	
7:00 am	\$1.40	\$4.90	\$4.90	\$4.90	\$4.90	\$4.75	\$1.85	
8:00 am	\$1.85	\$4.40	\$4.40	\$4.40	\$4.40	\$4.20	\$2.20	
9:00 am	\$1.85	\$3.50	\$3.50	\$3.50	\$3.50	\$3.50	\$2.75	
10:00 am	\$2.75	\$2.20	\$2.20	\$2.20	\$2.20	\$2.20	\$2.75	
11:00 am	\$2.75	\$2.20	\$2.20	\$2.20	\$2.20	\$2.20	\$3.15	
Noon	\$2.75	\$2.20	\$2.20	\$2.20	\$2.20	\$2.20	\$3.15	
1:00 pm	\$3.15	\$2.20	\$2.20	\$2.20	\$2.20	\$2.20	\$3.15	
2:00 pm	\$3.15	\$2.20	\$2.20	\$2.20	\$2.20	\$2.20	\$3.15	
3:00 pm	\$3.15	\$2.20	\$2.20	\$2.20	\$2.20	\$2.75	\$3.15	
4:00 pm	\$3.30	\$2.20	\$2.20	\$2.20	\$2.20	\$2.75	\$3.30	
5:00 pm	\$3.30	\$2.20	\$2.20	\$2.20	\$2.20	\$2.75	\$3.30	
6:00 pm	\$3.30	\$2.20	\$2.20	\$2.20	\$2.20	\$3.25	\$2.75	
7:00 pm	\$2.75	\$1.40	\$1.40	\$1.40	\$1.40	\$2.20	\$2.20	
8:00 pm	\$2.75	\$1.40	\$1.40	\$1.40	\$1.40	\$1.40	\$1.40	
9:00 pm	\$2.75	\$1.40	\$1.40	\$1.40	\$1.40	\$1.40	\$1.40	
10:00 pm	\$1.40	\$1.40	\$1.40	\$1.40	\$1.40	\$1.40	\$1.40	
	100			1000	100			

11:00 pm \$1.40 \$1.40 \$1.40 \$1.40 \$1.40 \$1.40

Toll Schedule

Westhound



Fixed Variable Pricing

Advantages:

- Less capital investment
- Customers know the toll rate
- Works well with a limited number of access points or trip combinations

Disadvantages:

- Does not address incidents or unusual traffic conditions
- Setting toll rates is done manually
- Not well suited for numerous access points or trip combinations

