

# Investment Grade T&R Study - HOV Scenario Evaluation

- HOV scenario was explicitly modeled for the 2018, 2025, and 2035 model years. All base case assumptions were held constant.
- The model determines the probability of HOV3+ users in the lanes based on ODs and travel time savings afforded by the lanes during each time period.
- The percentage share of HOV3+ vehicles on the ETLs changes by time of day and location along the corridor, as well as by modeled year.
- The resulting percentage of HOV vehicles using the ELTs are average shares:

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## HOV3+ Trip Shares and Gross Revenue Comparison (2015 \$)

Year	HOV3+ Trip Share	HOV3+ Revenue	Base Case Revenue	Revenue Percentage Difference
2018	32%	\$9,788,700	\$11,460,200	-15%
2025	22%	\$19,806,000	\$22,113,500	-10%
2035	20%	\$29,736,400	\$32,021,300	-7%

Shares are based off a small base:

### Example:

- 2018: Of 2,541 vehicles using ETLs in the AM (EB and WB directions) on C-470, 29% (739) are HOV3+
- 2035: Of 2, 431 vehicles using ETLs in the PM (EB and WB directions) on C-470, 15% (318) are HOV3+