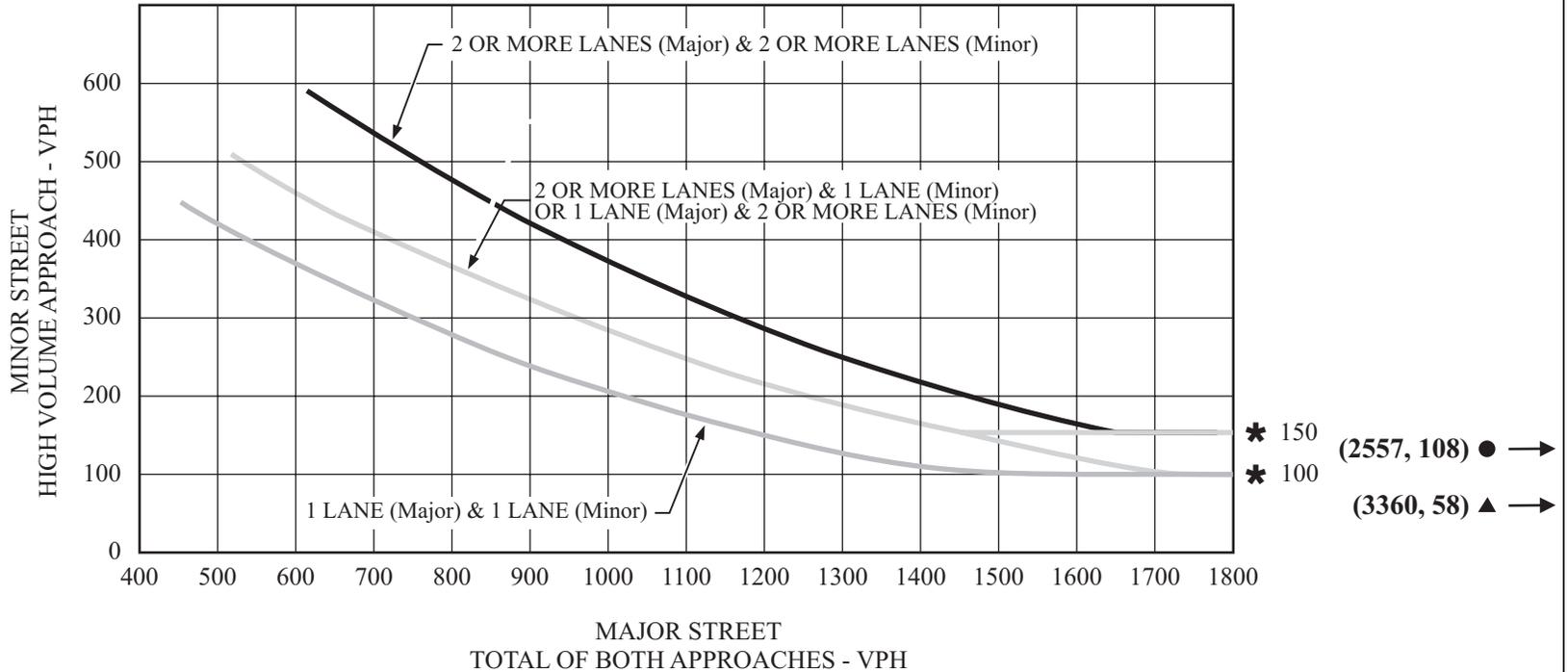


APPENDIX L

SIGNAL WARRANTS

WARRANT 3, PEAK HOUR

(Land Use Alternative 1, Access Alternative A)



* 150 VPH applies as the lower threshold volume for a minor street approach with two or more lanes and 100 VPH applies as the lower threshold volume for a minor street approaching with one lane.

LSA

FIGURE L-1

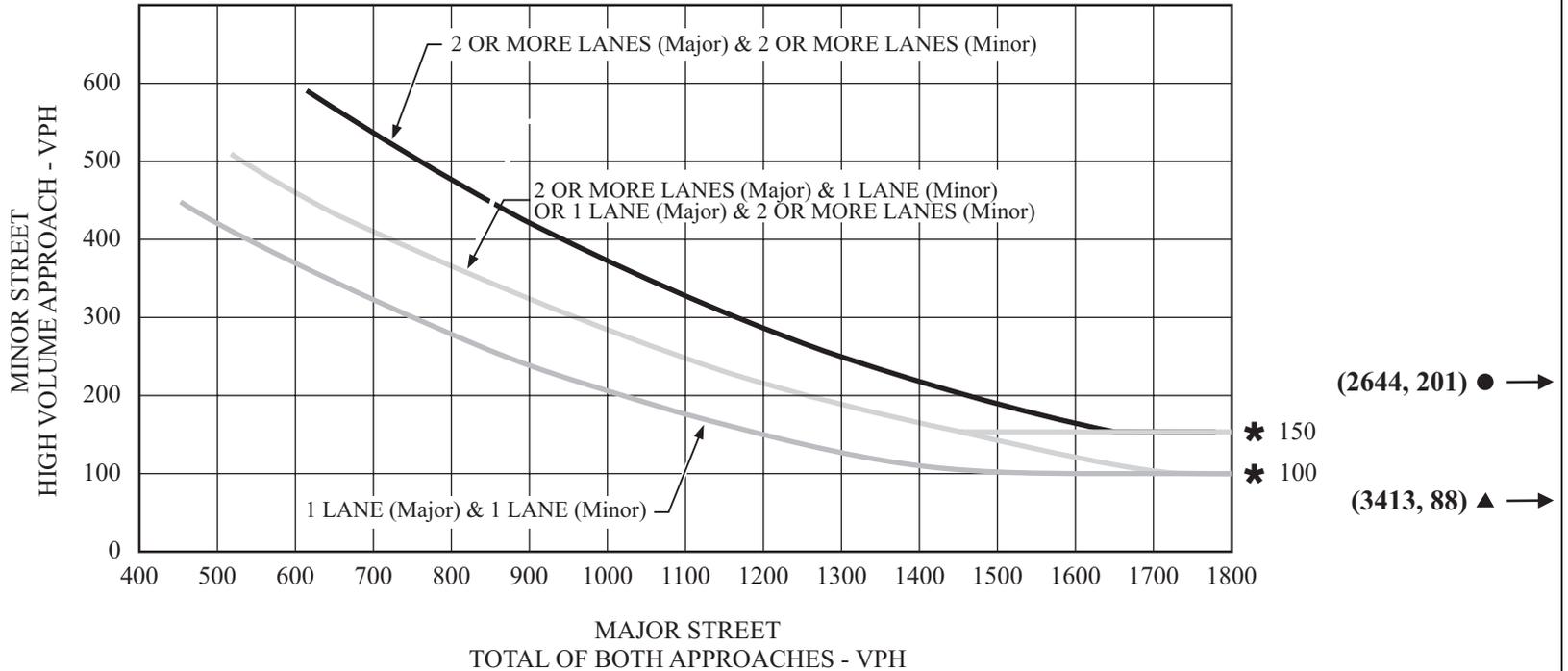
● YEAR 2030 AM PEAK HOUR

▲ YEAR 2030 PM PEAK HOUR

Upper Santa Ana River Wash
Alabama Street/Robertson's and Cemex Combined Driveway
Peak Hour Signal Warrant

WARRANT 3, PEAK HOUR

(Land Use Alternative 1, Access Alternative B)



* 150 VPH applies as the lower threshold volume for a minor street approach with two or more lanes and 100 VPH applies as the lower threshold volume for a minor street approaching with one lane.

LSA

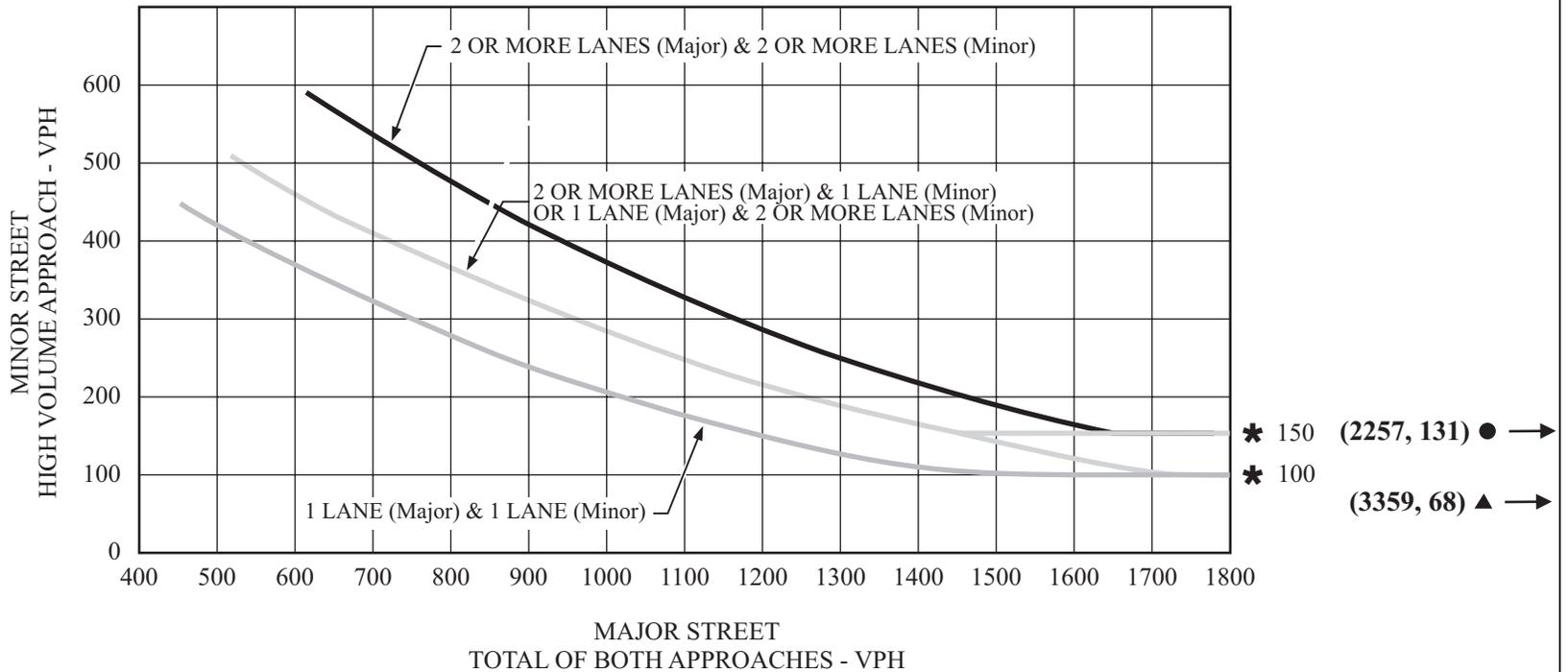
FIGURE L-2

● YEAR 2030 AM PEAK HOUR

▲ YEAR 2030 PM PEAK HOUR

Upper Santa Ana River Wash
Alabama Street/Robertson's and Cemex Combined Driveway
Peak Hour Signal Warrant

WARRANT 3, PEAK HOUR (Land Use Alternative 1, Access Alternative D)



* 150 VPH applies as the lower threshold volume for a minor street approach with two or more lanes and 100 VPH applies as the lower threshold volume for a minor street approaching with one lane.

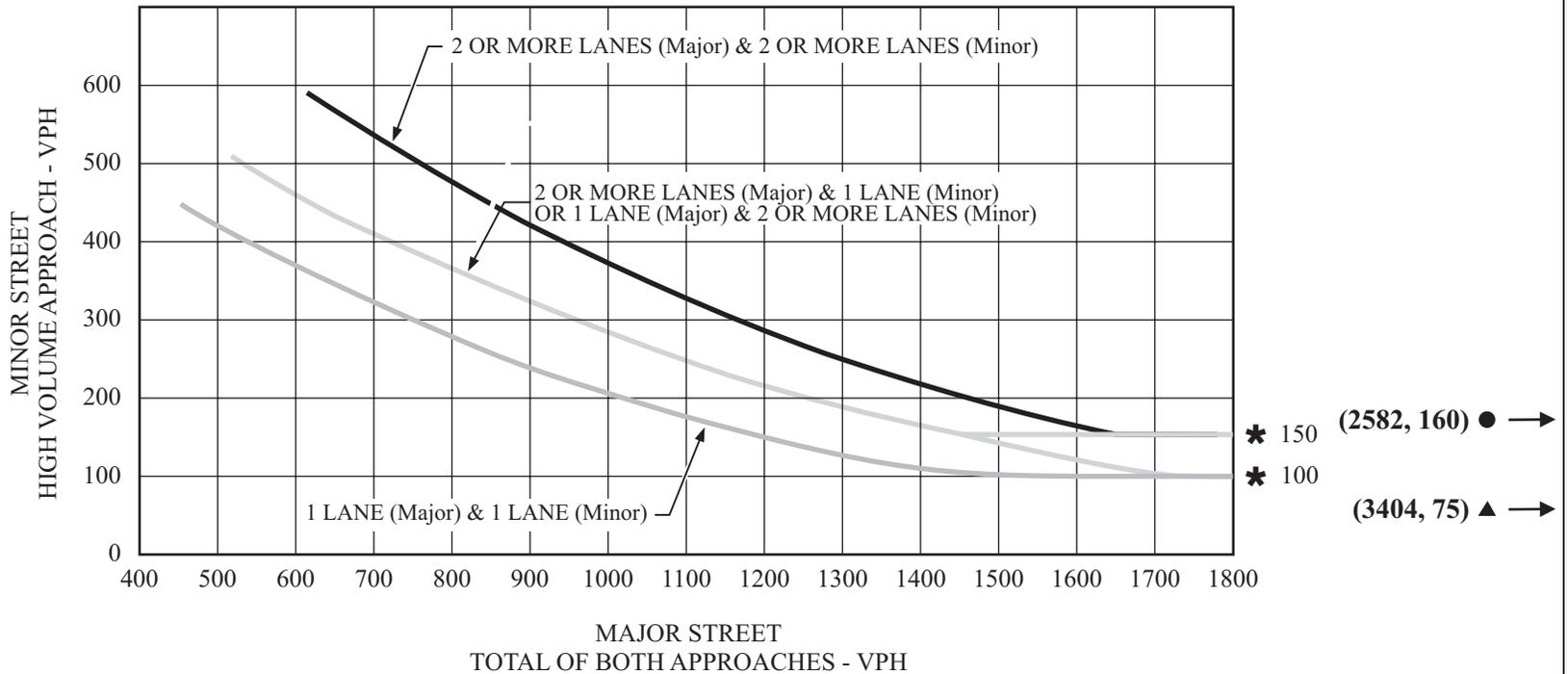
LSA

FIGURE L-3

- YEAR 2030 AM PEAK HOUR
- ▲ YEAR 2030 PM PEAK HOUR

Upper Santa Ana River Wash
Alabama Street/Robertson's and Cemex Combined Driveway
Peak Hour Signal Warrant

WARRANT 3, PEAK HOUR (Land Use Alternative 2, Access Alternative C)



* 150 VPH applies as the lower threshold volume for a minor street approach with two or more lanes and 100 VPH applies as the lower threshold volume for a minor street approaching with one lane.

LSA

FIGURE L-4

● YEAR 2030 AM PEAK HOUR

▲ YEAR 2030 PM PEAK HOUR

Upper Santa Ana River Wash
Alabama Street/Robertson's and Cemex Combined Driveway
Peak Hour Signal Warrant