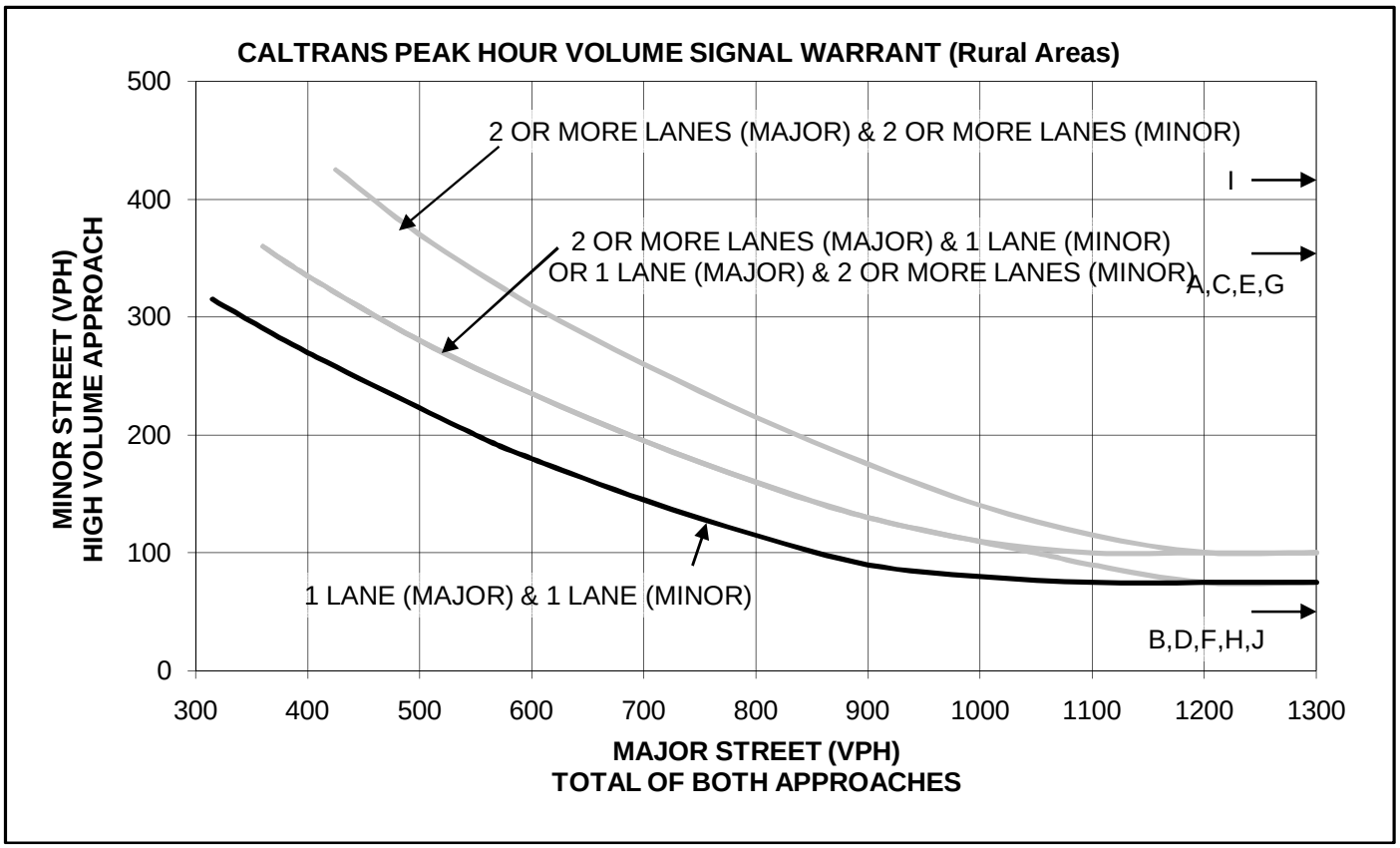
Appendix D

Traffic Control and Channelization Warrant Worksheets

Intersection #11-Torero Dr & Hwy 68



Scenario	Hwy 68	Torero	Warrant
	East/West	North/South	Met?
A. Existing AM	1998	360	Yes
B. Existing PM	2548	45	No
C. Background AM	2240	360	Yes
D. Background PM	2896	45	No
E. Back+Proj AM	2292	360	Yes
F. Back+Proj PM	2968	45	No
G. Back+Alt Proj AM	2276	360	Yes
H. Back+Alt Proj PM	2950	45	No
I. Cum+Proj AM	3221	412	Yes
J. Cum+Proj PM	3918	53	Yes

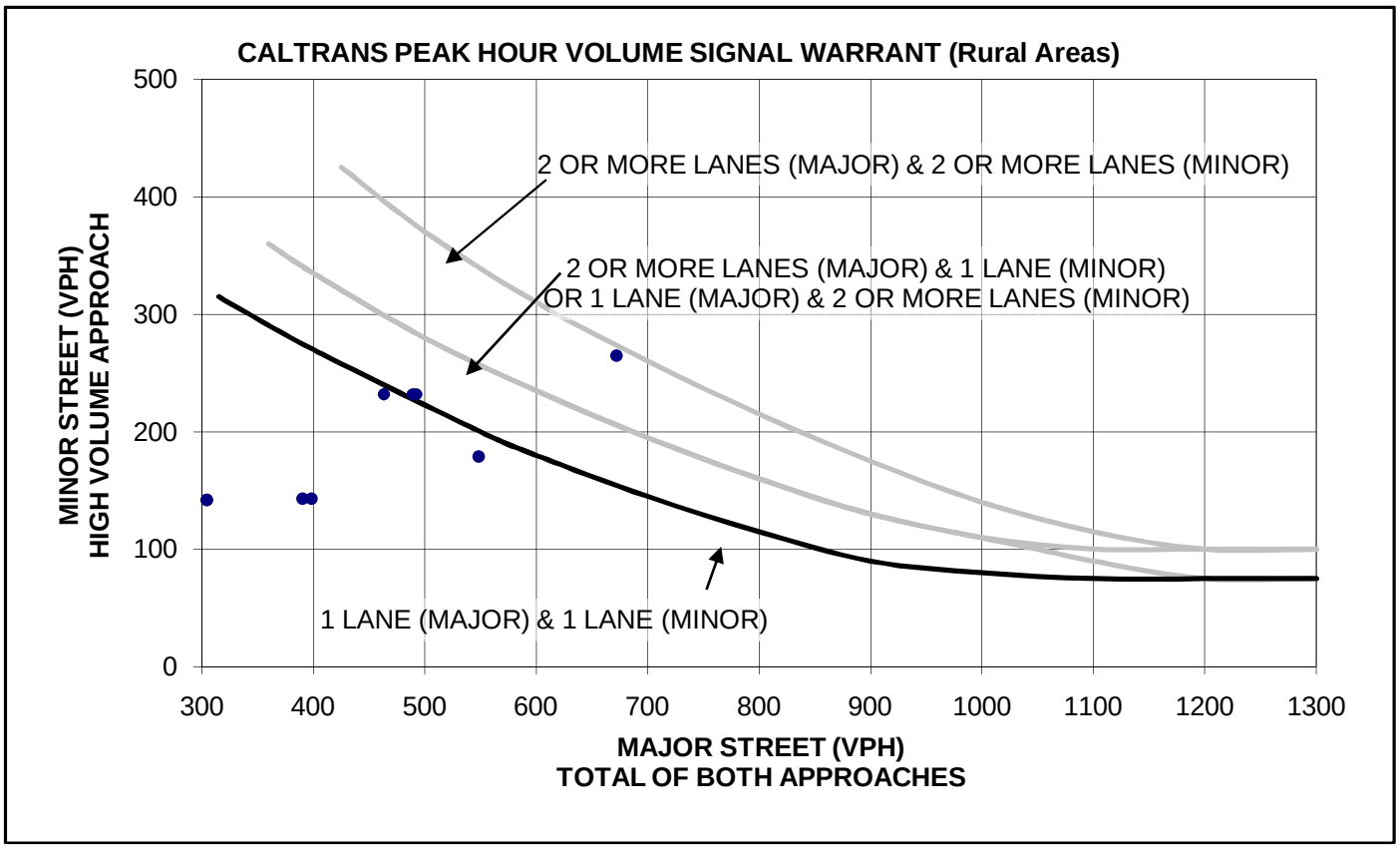
Notes:

1. 100 VPH applies as the lower threshold volume for a minor street approach with two or more lanes and 75 VPH applies as the lower threshold volume for a minor street approaching with one lane.

2. Bold line applies to intersection geometry.

Source: *Manual on Uniform Traffic Control Devices* , 2003 Edition.

Intersection #13-Portola Dr & Hwy 68 WB Ramps



Scenario	Hwy 68 Rmp	Portola	Warrant
	East/West	North/South	Met?
A. Existing AM	463	232	Yes
B. Existing PM	304	142	No
C. Background AM	463	232	Yes
D. Background PM	304	142	No
E. Back+Proj AM	492	232	Yes
F. Back+Proj PM	398	143	No
G. Back+Alt Proj AM	489	232	Yes
H. Back+Alt Proj PM	390	143	No
I. Cum+Proj AM	672	265	Yes
J. Cum+Proj PM	548	179	No

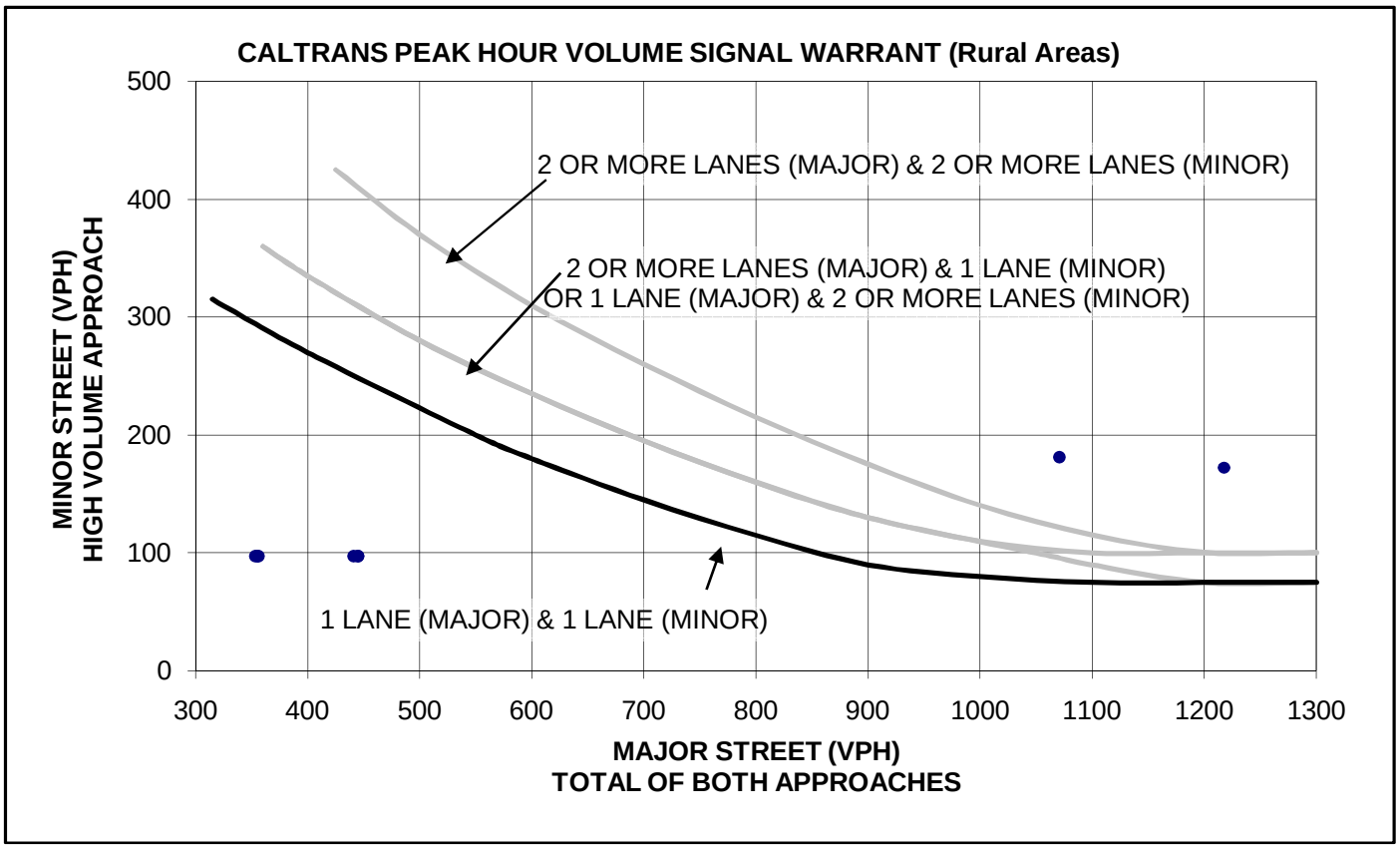
Notes:

1. 100 VPH applies as the lower threshold volume for a minor street approach with two or more lanes and 75 VPH applies as the lower threshold volume for a minor street approaching with one lane.

2. Bold line applies to intersection geometry.

Source: *Manual on Uniform Traffic Control Devices* , 2003 Edition.

Intersection #16-Hwy 68 WB Ramps & Spreckels



Scenario	Spreckels	Hwy 68 Rmp	Warrant
	East/West	North/South	Met?
A. Existing AM	218	92	No
B. Existing PM	291	92	No
C. Background AM	353	97	No
D. Background PM	441	97	No
E. Back+Proj AM	356	97	No
F. Back+Proj PM	445	97	No
G. Back+Alt Proj AM	355	97	No
H. Back+Alt Proj PM	445	97	No
I. Cum+Proj AM	1071	181	Yes
J. Cum+Proj PM	1218	172	Yes

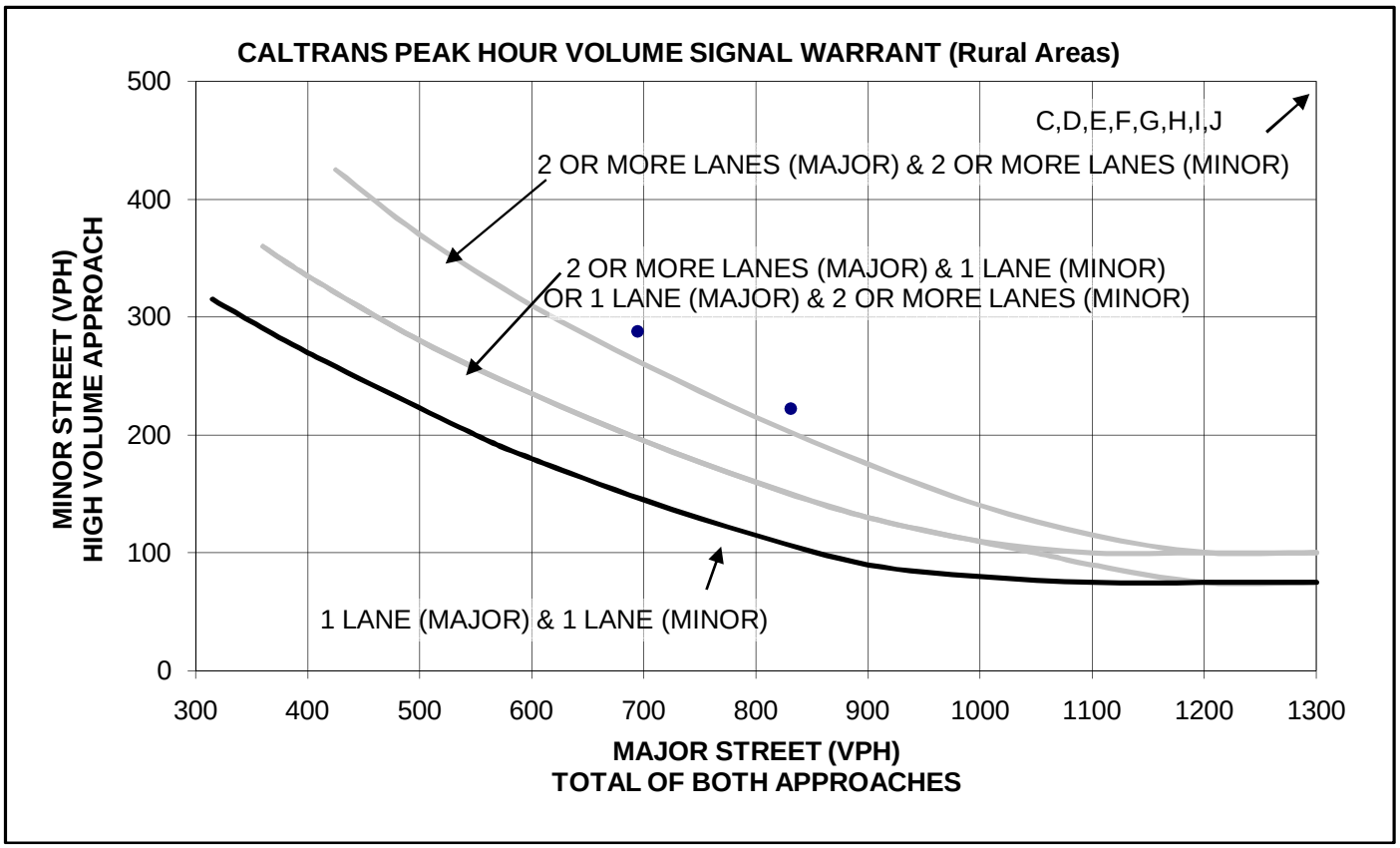
Notes:

1. 100 VPH applies as the lower threshold volume for a minor street approach with two or more lanes and 75 VPH applies as the lower threshold volume for a minor street approaching with one lane.

2. Bold line applies to intersection geometry.

Source: *Manual on Uniform Traffic Control Devices* , 2003 Edition.

Intersection #20-Davis Rd & Reservation Rd



Scenario	Reservation	Davis	Warrant
	East/West	North/South	Met?
A. Existing AM	694	288	Yes
B. Existing PM	831	222	Yes
C. Background AM	1405	590	Yes
D. Background PM	1816	953	Yes
E. Back+Proj AM	1454	596	Yes
F. Back+Proj PM	1880	964	Yes
G. Back+Alt Proj AM	1444	594	Yes
H. Back+Alt Proj PM	1864	962	Yes
I. Cum+Proj AM	2075	629	Yes
J. Cum+Proj PM	2430	1006	Yes

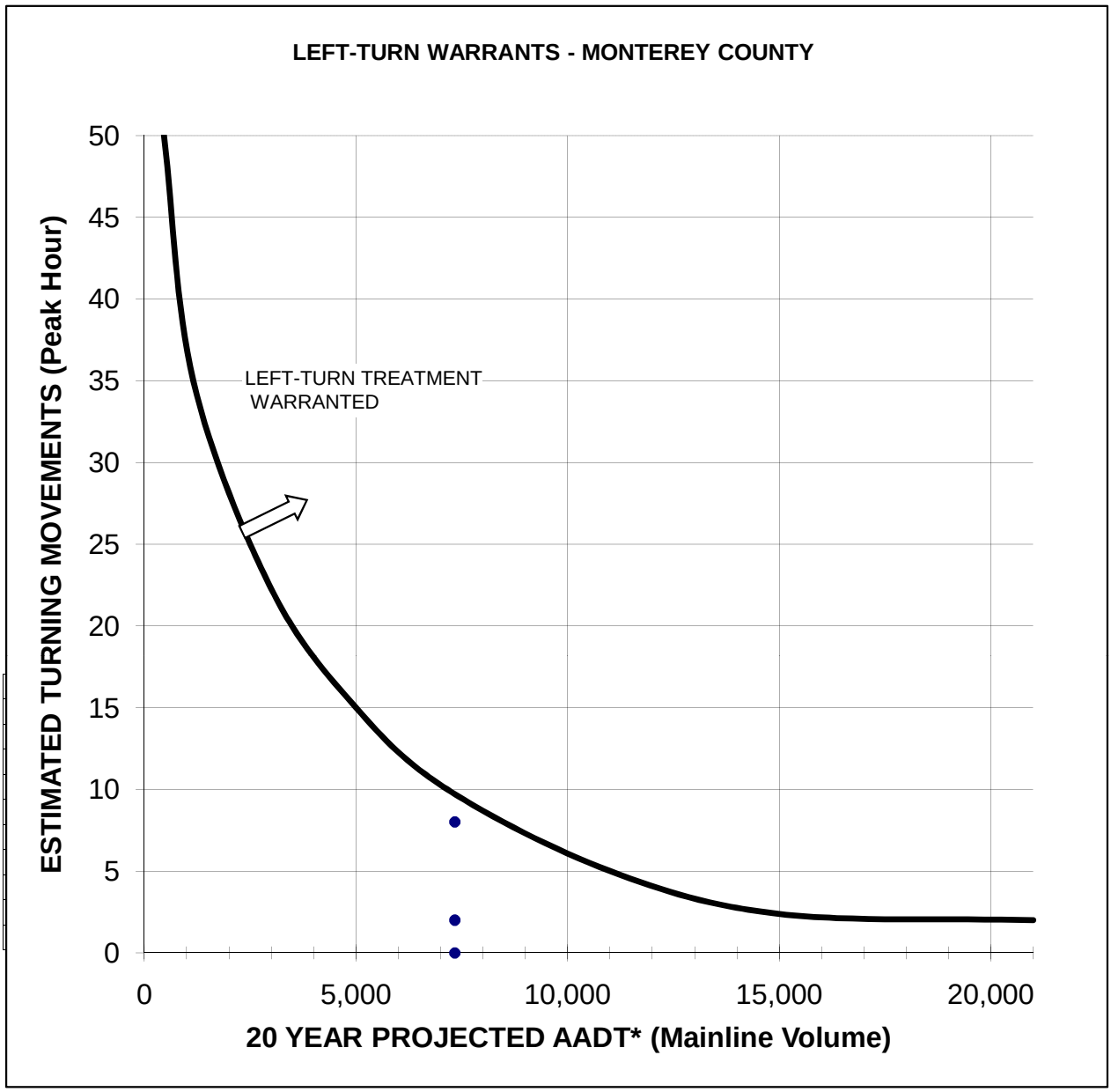
Notes:

1. 100 VPH applies as the lower threshold volume for a minor street approach with two or more lanes and 75 VPH applies as the lower threshold volume for a minor street approaching with one lane.

2. Bold line applies to intersection geometry.

Source: *Manual on Uniform Traffic Control Devices* , 2003 Edition.

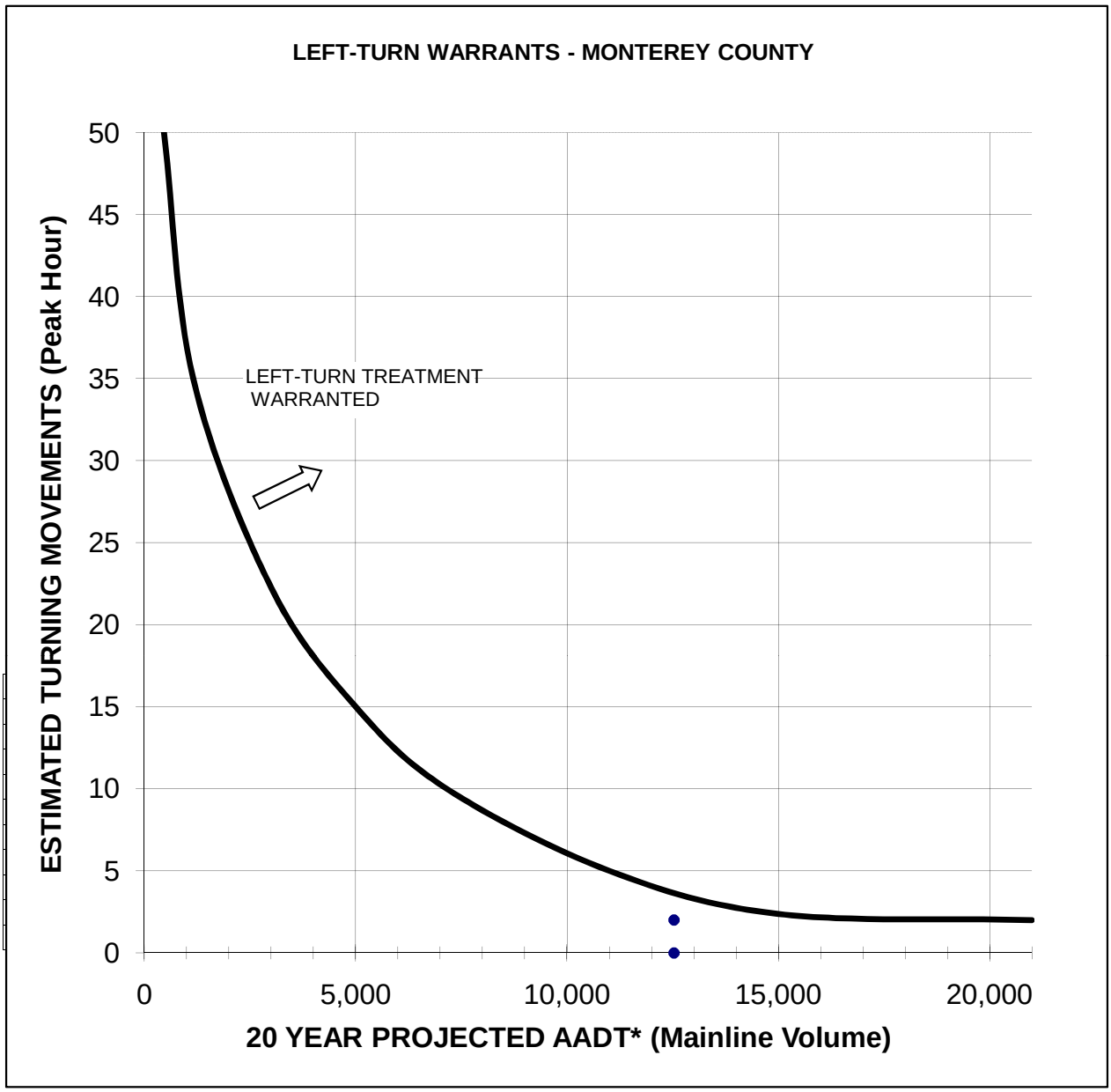
Intersection #10
San Benancio Road / Paseo de Vaqueros (Project Access) Intersection
Southbound Approach



Analysis Scenario	Left Turn Volume	20-Yr. Mainline Volume*	Warrant Met?
A. Existing AM	0	7332	No
B. Existing PM	0	7332	No
C. Background AM	0	7332	No
D. Background PM	0	7332	No
E. Back+Proj AM	2	7332	No
F. Back+Proj PM	8	7332	No
G. Back+Alt Proj AM	0	7332	No
H. Back+Alt Proj PM	1	7332	No
I. Cum+Proj AM	2	7332	No
J. Cum+Proj PM	8	7332	No

Adapted from Monterey County Left Turn Policy, adopted on February 26, 1980.

Intersection #22 - River Terrace Drive / River Road
Westbound Approach



Analysis Scenario	Left Turn Volume	20-Yr. Mainline Volume*	Warrant Met?
A. Existing AM	0	12,532	No
B. Existing PM	0	12,532	No
C. Background AM	0	12,532	No
D. Background PM	0	12,532	No
E. Back+Proj AM	2	12,532	No
F. Back+Proj PM	2	12,532	No
G. Back+Alt Proj AM	1	12,532	No
H. Back+Alt Proj PM	1	12,532	No
I. Cum+Proj AM	2	12,532	No
J. Cum+Proj PM	2	12,532	No

Adapted from Monterey County Left Turn Policy, adopted on February 26, 1980.