

**TABLE 11-2
YEAR 2023 PEAK HOUR INTERSECTION QUEUING ANALYSIS**

Key Study Intersection	(1) Estimated Storage Provided (feet)	(2) Existing With Ambient Growth Without Project Traffic Conditions				(3) Existing With Ambient Growth With Project Traffic Conditions				(4) Existing With Ambient Growth With Cumulative Without Project Traffic Conditions				(5) Existing With Ambient Growth With Cumulative With Project Traffic Conditions			
		AM Peak Hour		PM Peak Hour		AM Peak Hour		PM Peak Hour		AM Peak Hour		PM Peak Hour		AM Peak Hour		PM Peak Hour	
		Max. Queue/ Min. Storage Required ⁹	Adequate Storage (Yes/No)	Max. Queue/ Min. Storage Required ⁹	Adequate Storage (Yes/No)	Max. Queue/ Min. Storage Required ⁹	Adequate Storage (Yes/No)	Max. Queue/ Min. Storage Required ⁹	Adequate Storage (Yes/No)	Max. Queue/ Min. Storage Required ⁹	Adequate Storage (Yes/No)	Max. Queue/ Min. Storage Required ⁹	Adequate Storage (Yes/No)	Max. Queue/ Min. Storage Required ⁹	Adequate Storage (Yes/No)	Max. Queue/ Min. Storage Required ⁹	Adequate Storage (Yes/No)
1. Gateway Plaza at Valley Boulevard																	
Northbound Left-Turn Lane	65'	0'	Yes	0'	Yes	26'	Yes	32'	Yes	0'	Yes	0'	Yes	26'	Yes	32'	Yes
NB Shared Through/Right-Turn Lane	65'	0'	Yes	0'	Yes	48'	Yes	56'	Yes	0'	Yes	0'	Yes	48'	Yes	56'	Yes
Eastbound Left-Turn Lane	150'	9'	Yes	47'	Yes	9'	Yes	47'	Yes	9'	Yes	47'	Yes	9'	Yes	47'	Yes
Westbound Left-Turn Lane	100'	6'	Yes	25'	Yes	64'	Yes	84'	Yes	6'	Yes	25'	Yes	64'	Yes	84'	Yes
2. Riverside Avenue at Valley Boulevard																	
Northbound Dual Left-Turn Lanes	205'	239'	No	381'	No	250'	No	386'	No	269'	No	431'	No	262'	No	438'	No
Southbound Left-Turn Lane	205'	95'	Yes	141'	Yes	95'	Yes	141'	Yes	100'	Yes	152'	Yes	95'	Yes	152'	Yes
Eastbound Left-Turn Lane	120'	55'	Yes	156'	No	73'	Yes	171'	No	62'	Yes	171'	No	77'	Yes	187'	No
Eastbound Right-Turn Lane	370'	659'	No	712'	No	675'	No	742'	No	683'	No	802'	No	678'	No	831'	No
Westbound Left-Turn Lane	185'	242'	No	301'	No	242'	No	301'	No	250'	No	319'	No	251'	No	319'	No
Westbound Right-Turn Lane	165'	27'	Yes	128'	Yes	27'	Yes	130'	Yes	28'	Yes	131'	Yes	27'	Yes	133'	Yes
➤ With Improvements																	
Northbound Dual Left-Turn Lanes	205'	--	--	--	--	225'	No	363'	No	--	--	--	--	239'	No	437'	No
Southbound Left-Turn Lane	205'	--	--	--	--	85'	Yes	135'	Yes	--	--	--	--	90'	Yes	150'	Yes
Eastbound Left-Turn Lane	120'	--	--	--	--	66'	Yes	171'	No	--	--	--	--	72'	Yes	187'	No
Eastbound Through Lane	370'	--	--	--	--	213'	Yes	339'	Yes	--	--	--	--	216'	Yes	342'	Yes
Eastbound Shared Through/Right-Turn Lane	370'	--	--	--	--	319'	Yes	339'	Yes	--	--	--	--	322'	Yes	350'	Yes
Eastbound Right-Turn Lane	370'	--	--	--	--	319'	Yes	339'	Yes	--	--	--	--	322'	Yes	350'	Yes
Westbound Left-Turn Lane	185'	--	--	--	--	214'	No	264'	No	--	--	--	--	225'	No	273'	No
Westbound Right-Turn Lane	165'	--	--	--	--	32'	Yes	161'	Yes	--	--	--	--	35'	Yes	163'	Yes

⁹ Queue is based on the 95th Percentile Queues and is reported in total queue length (feet) per lane for signalized intersections.