Middlefield Road: 3 versus 4 Lanes and Traffic Analysis Comparison Table

Road Design: 86 feet available

Street Design Elements	Minimum Requirements	Current Street	4 Lanes Option	3 Lanes Option	Difference Between 3 Lane and 4 Lane Options
Traffic Lanes (dimensions per lane)	11 to 14 feet	11 to 12 feet	Middle lanes: 11 to 12 feet Outside lanes: 12 to 13 feet	Center Lane: 14 feet Outside lanes: 12 to 13 feet	• **3 lanes require wider center lane for left turns** • Same width of outside lanes
Parking: Diagonal (each side of street)	14 feet	14 feet	N/A	N/A	• Not supported by community • Parallel parking will approximately reduce parking by 30%
Parking: Parallel (each side of street)	8 feet	N/A	8 feet	8 feet	• No difference between options
Bike Lanes (each side of street)	4 feet	None	4 feet	5 feet	• Requested by community • **3 lanes allows for a 1 foot wider bike lane**
Sidewalks (each side of street)	5 feet	5 feet	6 to 8 feet	10 to 11 feet	• Wider sidewalks requested • **3 lanes allow for 2 to 5 feet wider sidewalk**

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Average Traffic Wait Times at Key Intersections During Peak Afternoon Travel – 4:00 to 6:00 pm

Intersection	**Existing Conditions with 4 Lanes** (min:sec wait time)	**3 Lanes** (min:sec wait time)	**Increase in Wait Time with 3 Traffic Lanes**
Hurlingame – southbound	0:24	1:36	1:12
2nd Avenue – southbound	1:06	4:15	**3:09**
2nd Avenue – northbound	1:20	3:19	1:59
4th Avenue – southbound	1:06	7:50	**6:44**
4th Avenue – northbound	2:27	11:30	**9:03**
5th Avenue - southbound	1:33	2:03	0:30
5th Avenue – northbound	10:46	13:29	**2:43**
Middlefield Road – eastbound between 4th and 5th	0:27	4:48	**4:21**