

WFRC

Transportation and Land Use Impacts of COVID-19

Short-term changes
COVID19 “Stay Home” phase,
New Equilibrium (2 to 5 years afterward)
theories

<https://wfrc.org/public-involvement/covid-19/#1587077406839-67be55e9-376e>

Peak, Short-Term Changes COVID19 “Stay Home” Phase

- E-commerce +40%
- Telecommuting +40%
- Transit use -70%
- Bicycle use +90%
- Open space use +100%
- Freeway volumes -40%
- Travel time by auto -15%
- Air emissions -38%

“New Equilibrium” Postulates 2 to 5 year after COVID19

	Stay Home	Equil.Low	Equil.High
• E-commerce	+40%	+10%	+20%
• Telecommuting	+40%	+10%	+20%
• Transit use	-70%	-30%	+10%
• Bicycle use	+90%	+10%	+30%
• Open space use	+100%	+10%	+30%
• Freeway volumes	-40%	-20%	+10%
• Travel time by auto	-15%	-10%	+5%
• Air emissions	-38%	-15%	+5%

Local Recovery Strategies

Shifts

- E-commerce
- Telecommuting
- Bicycle use
- Open space use
- Activities are closer to home

Strategies

- Land use flexibility
- Parking modernization
- High comfort walk/ bike infrastructure
- Aggressive open space provision
- Strengthen centers in each community

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