

Average of Maximum Queue - Ramp LOS C 3000 2000 1000 Ramp Configuration With Auxiliary Lane - - Without Auxiliary Lane 100 Ö 10 25 50 LOS D Lane Restriction Policy ☐ Free Lane Selection 3000 + Right Lane Restriction 2000 1000 0

25

% of Trucks Operating in Platoons

50

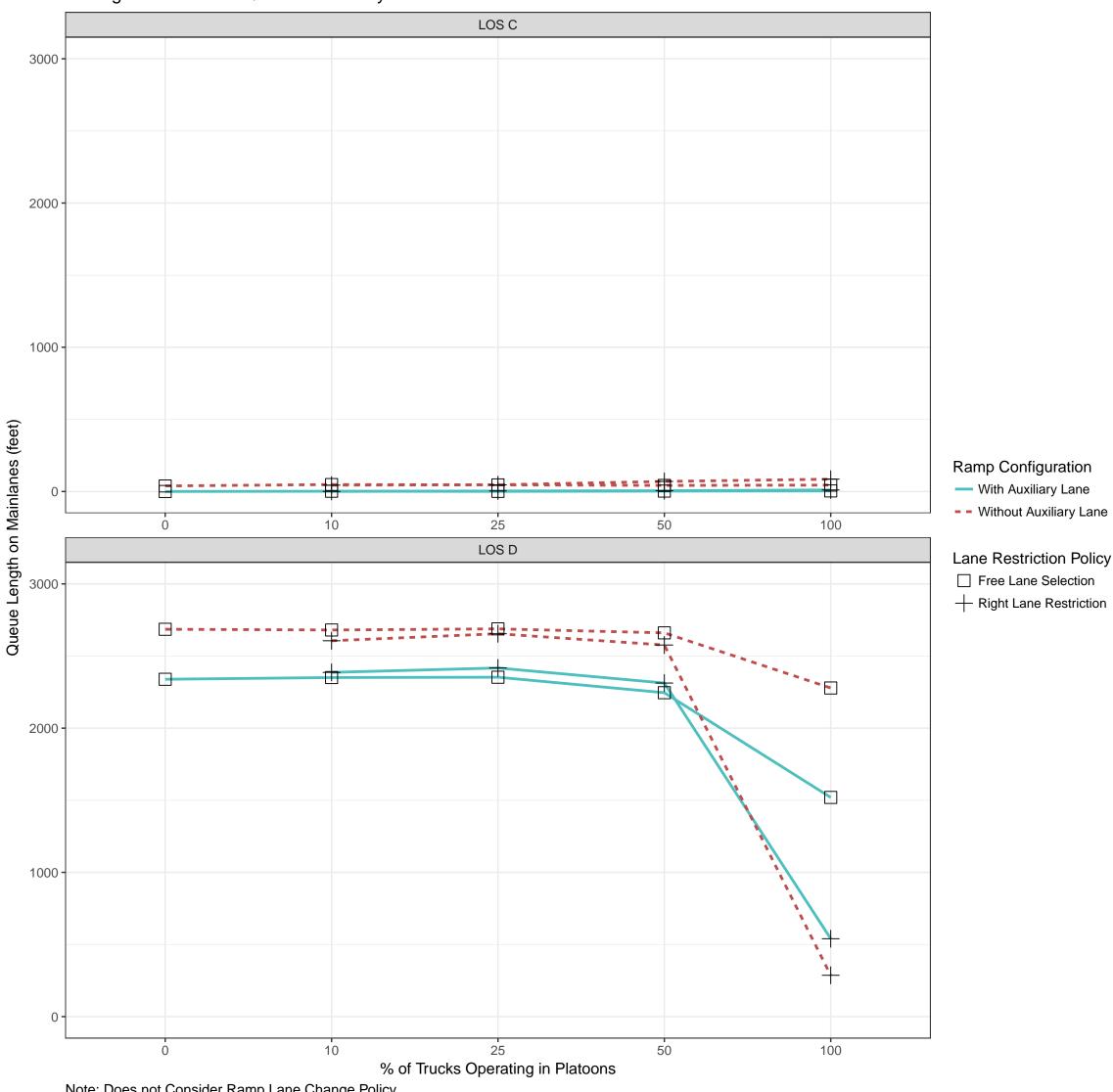
100

Note: Does not Consider Ramp Lane Change Policy

10

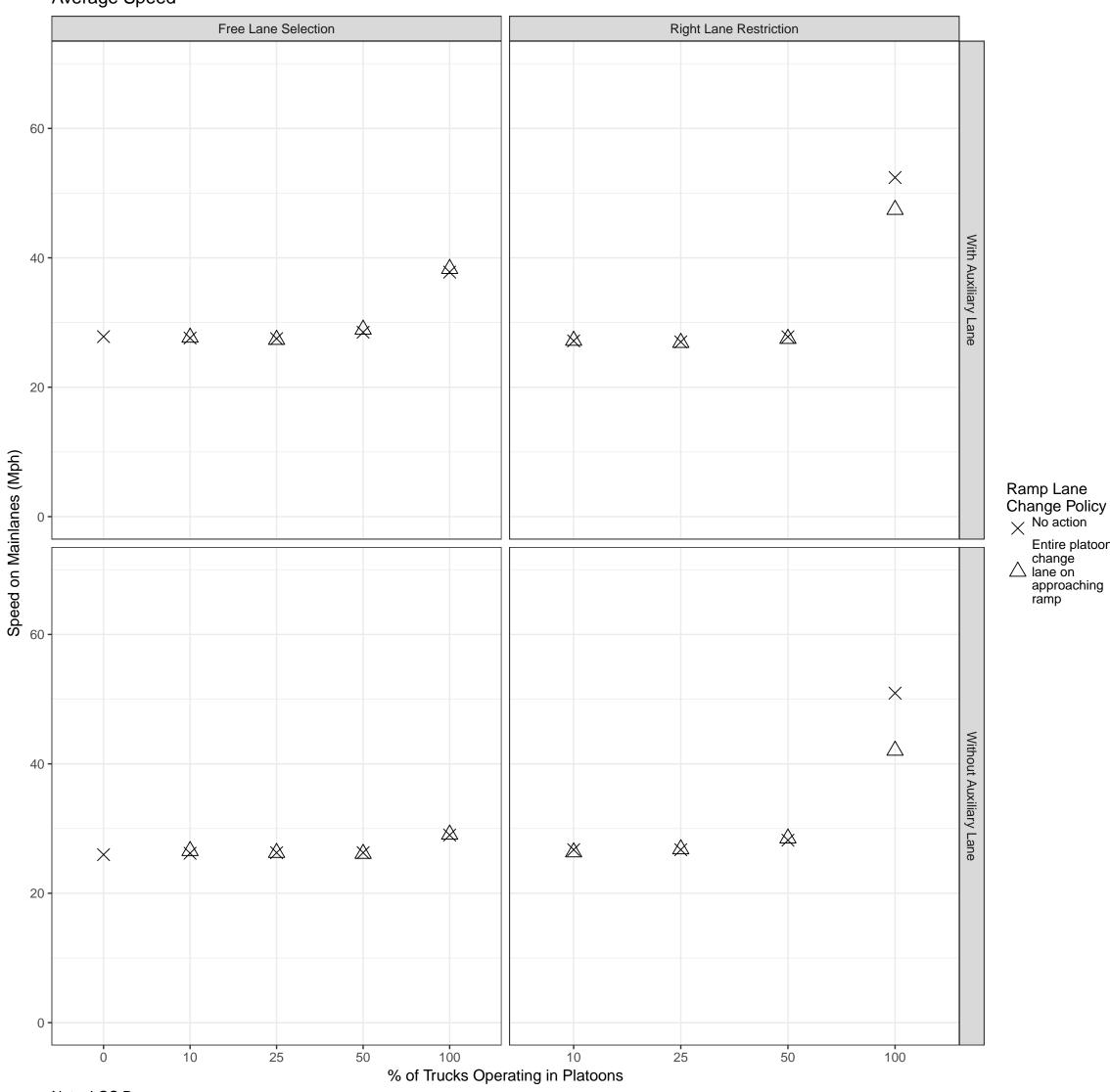
Queue Length on Ramp (feet)

Average of Maximum Queue - Freeway Lanes



Note: Does not Consider Ramp Lane Change Policy

Average Speed

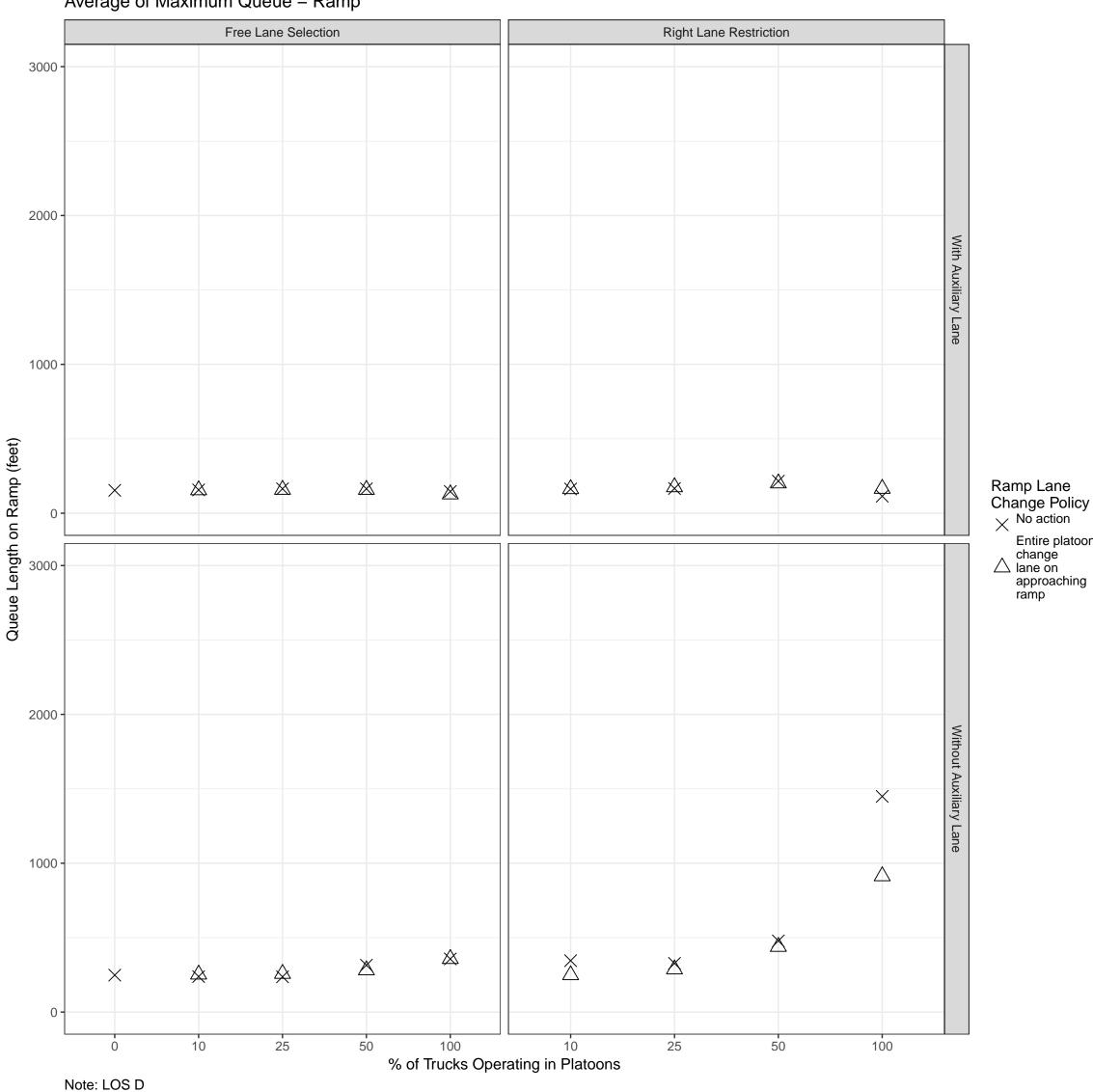


Entire platoon change

A lane on approaching ramp

Note: LOS D

Average of Maximum Queue - Ramp

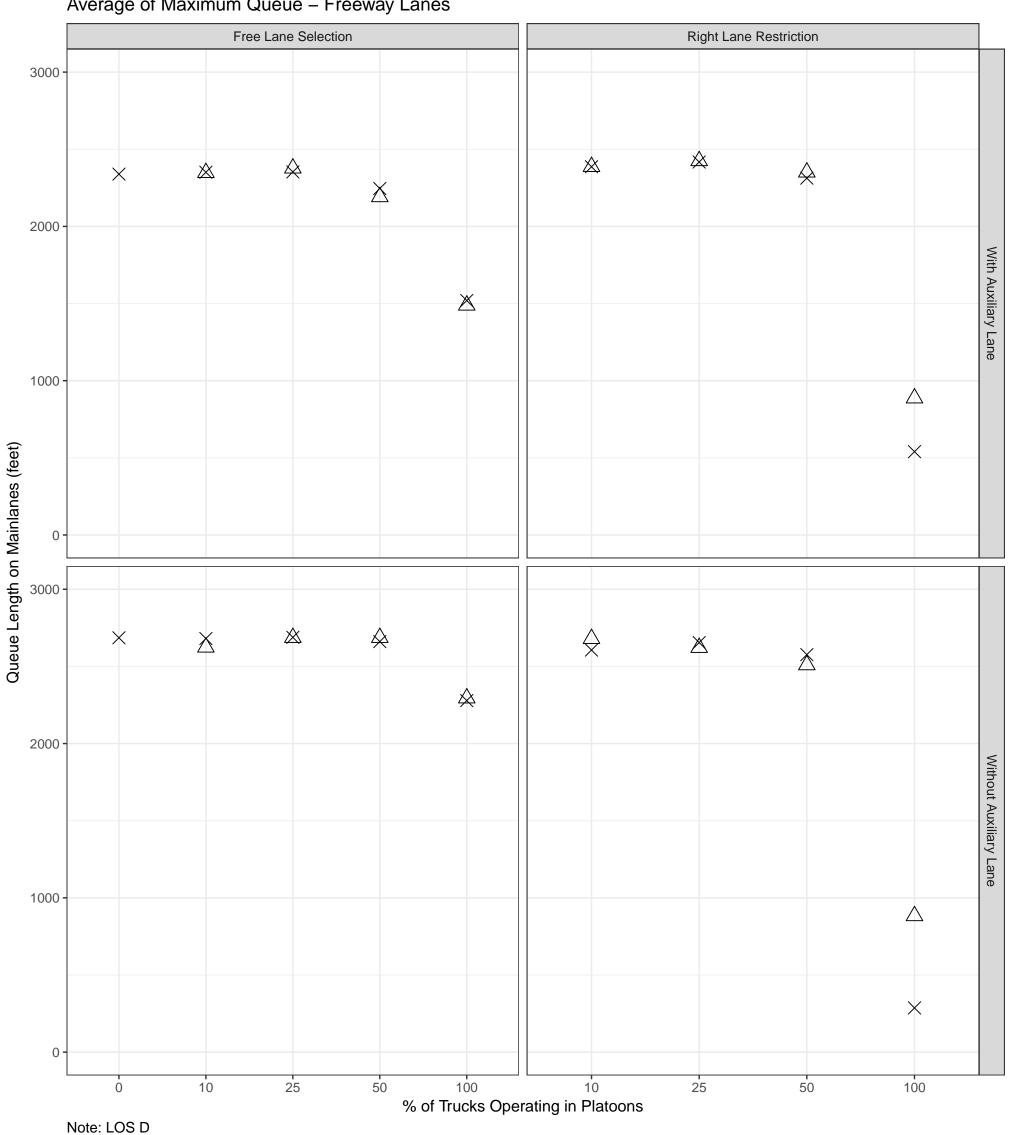


Ramp Lane

Entire platoon change

A lane on approaching ramp

Average of Maximum Queue - Freeway Lanes



Ramp Lane Change Policy × No action

Entire platoon change

A lane on approaching ramp

Average Speed Free Lane Selection Right Lane Restriction \otimes \otimes \otimes \otimes \bigotimes \otimes \bigotimes \times \otimes 60 With Auxiliary Lane 40 20 Speed on Mainlanes (Mph) \Diamond \bigotimes \otimes \Diamond \bigotimes \Rightarrow \times \otimes Without Auxiliary Lane 40 20 0 25 50 10 50 25 100 Ö

% of Trucks Operating in Platoons

Note: LOS C

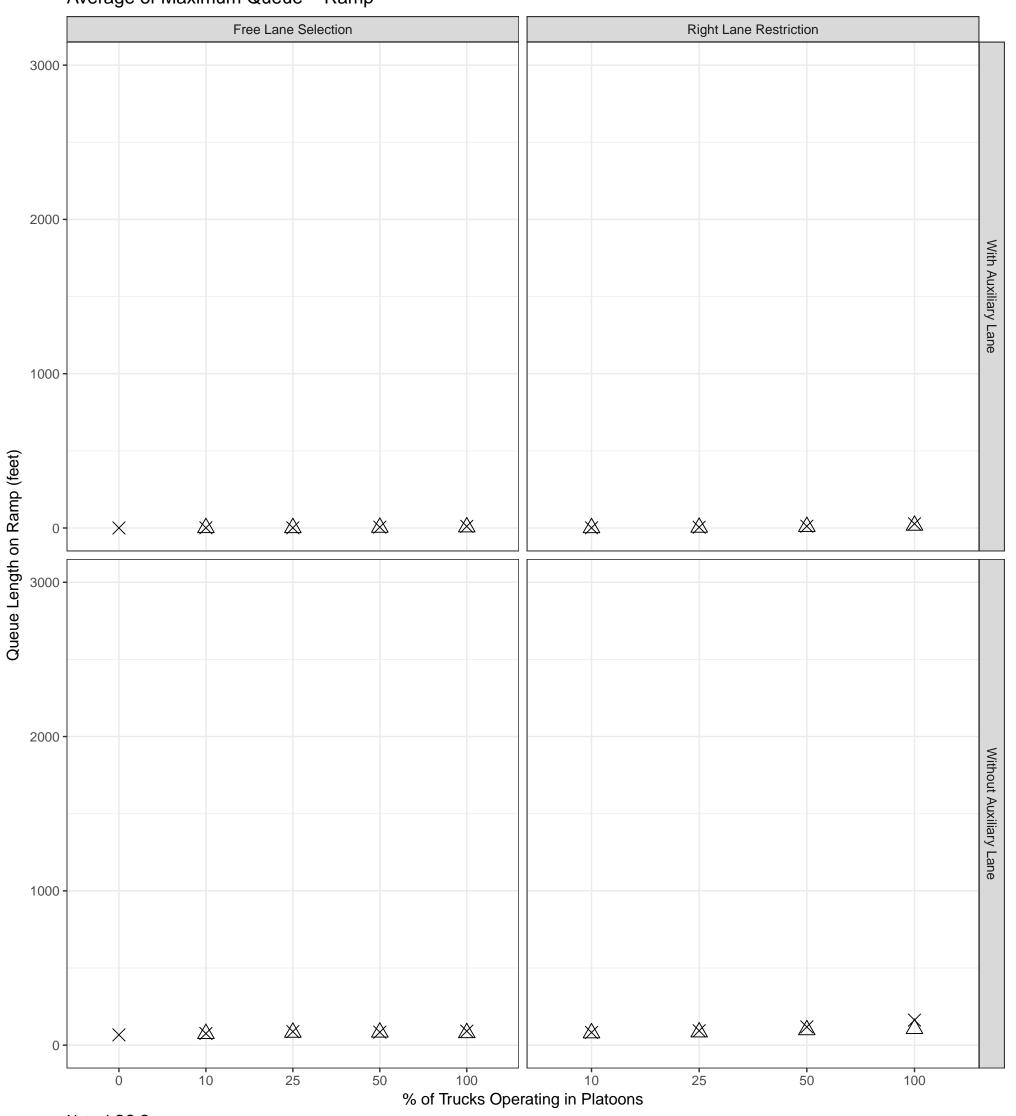
Ramp Lane
Change Policy

X No action

Entire platoon change

∆ lane on approaching ramp

Average of Maximum Queue - Ramp

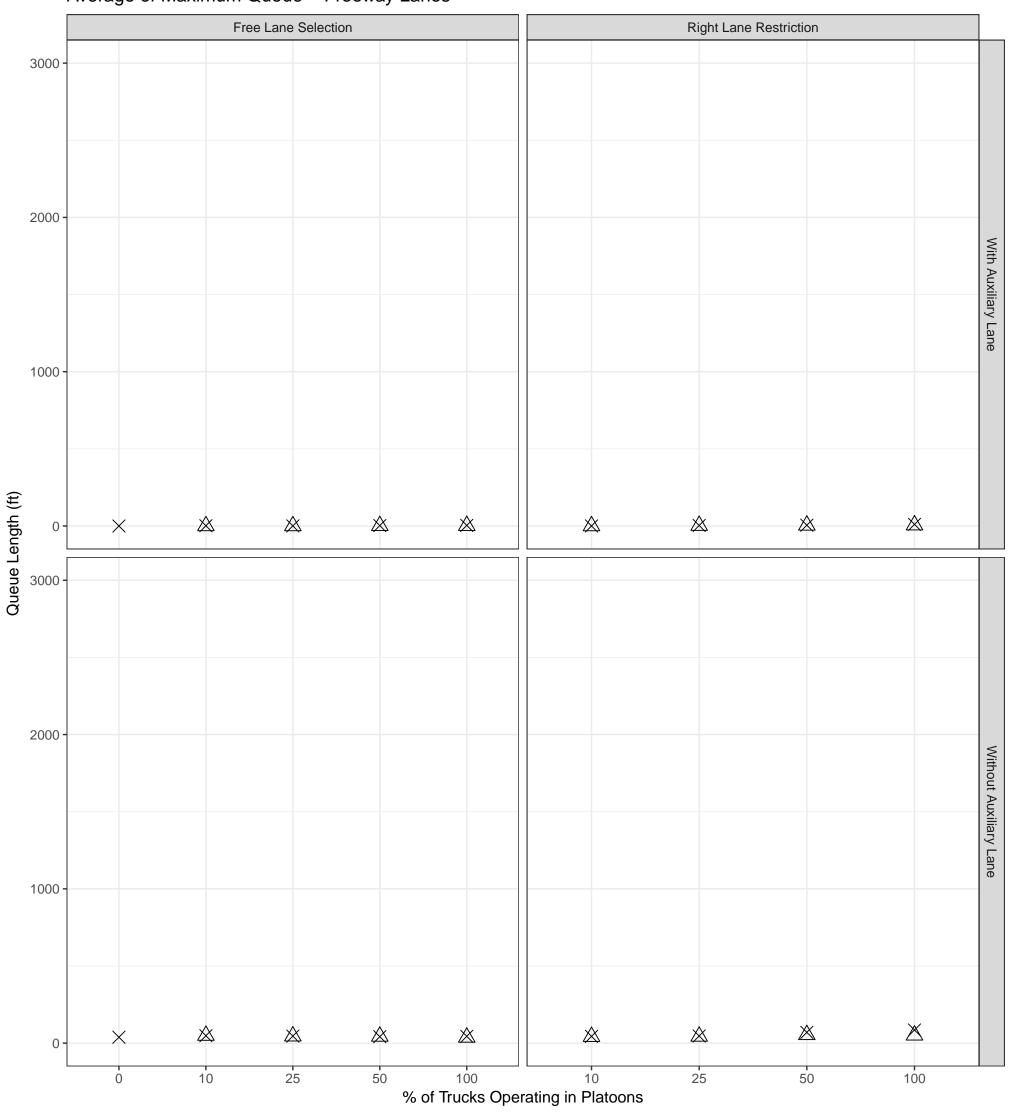


Ramp Lane
Change Policy

X No action
Entire platoon
change
lane on
approaching
ramp

Note: LOS C

Average of Maximum Queue - Freeway Lanes



Ramp Lane

Change Policy

× No action

Entire platoon change lane on approaching ramp

Note: LOS C

