

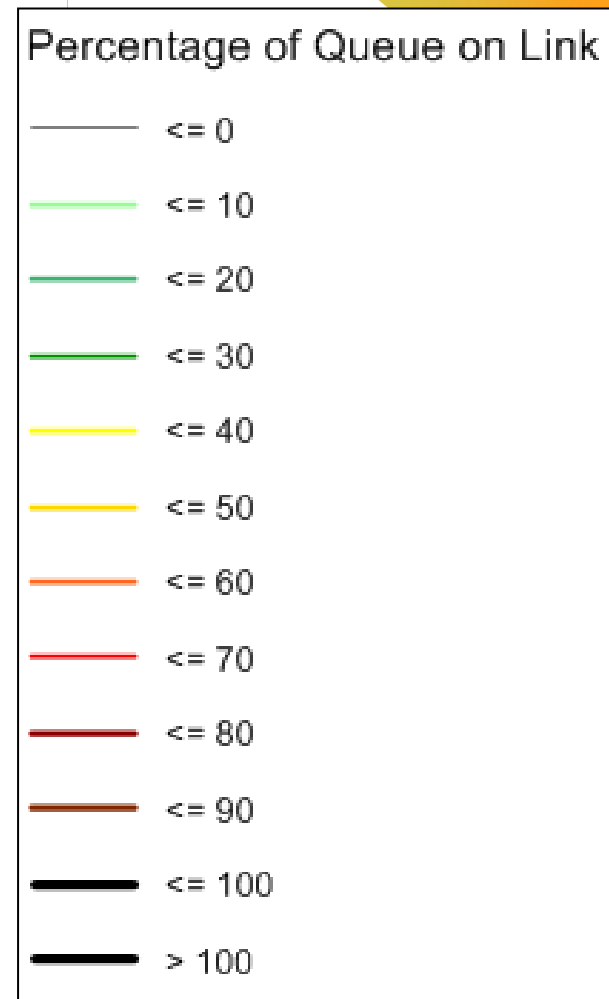
Queue at End of Model Period

Queuing at the end of period refers to demand which has been unable to pass a certain point in the network.

Queuing can form in two ways:

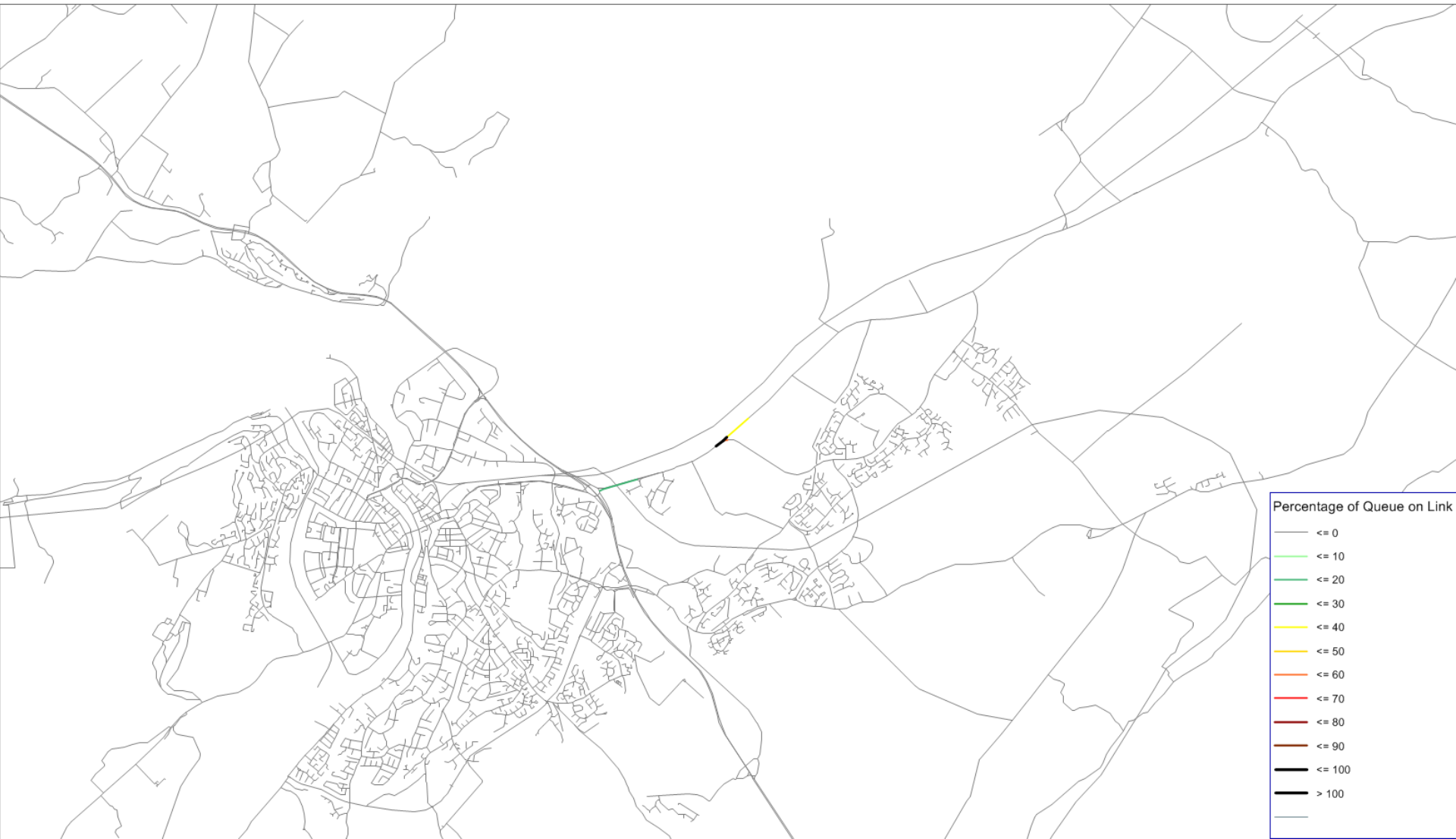
1. Link Capacity has been breached resulting in a breakdown in flow and shockwaves which slows vehicles and creates queuing; and
2. Junction Capacity has been breached resulting in the junction unable to process the demand.

Either breach indicates insufficient capacity.



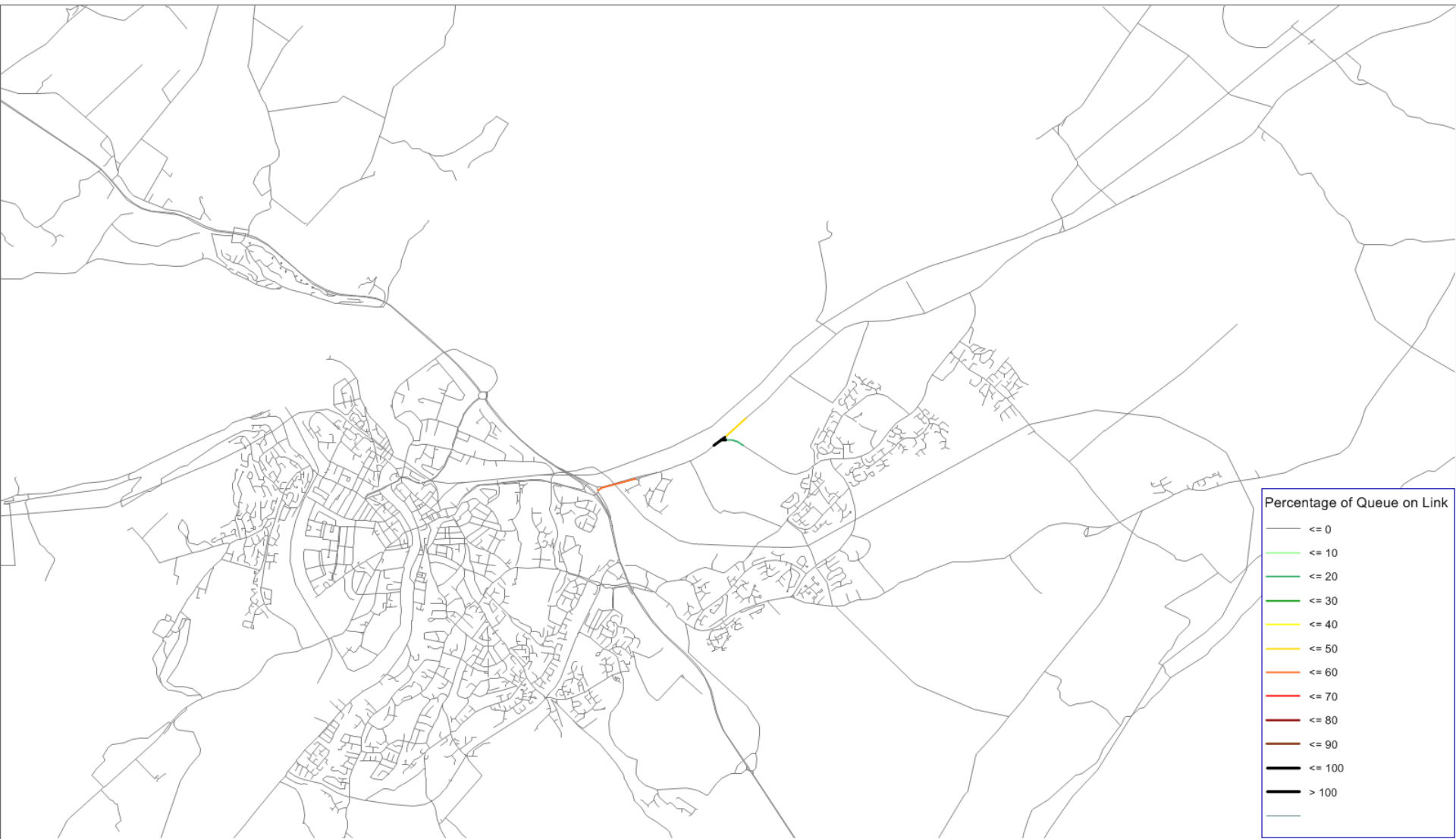
AM PEAK - 2009 Base

Area	Cause
Smithton Area	Link
Raigmore	Junction



AM PEAK - 2016 Scenario 1

Area	Cause
Smithton Area	Link
Raigmore	Junction



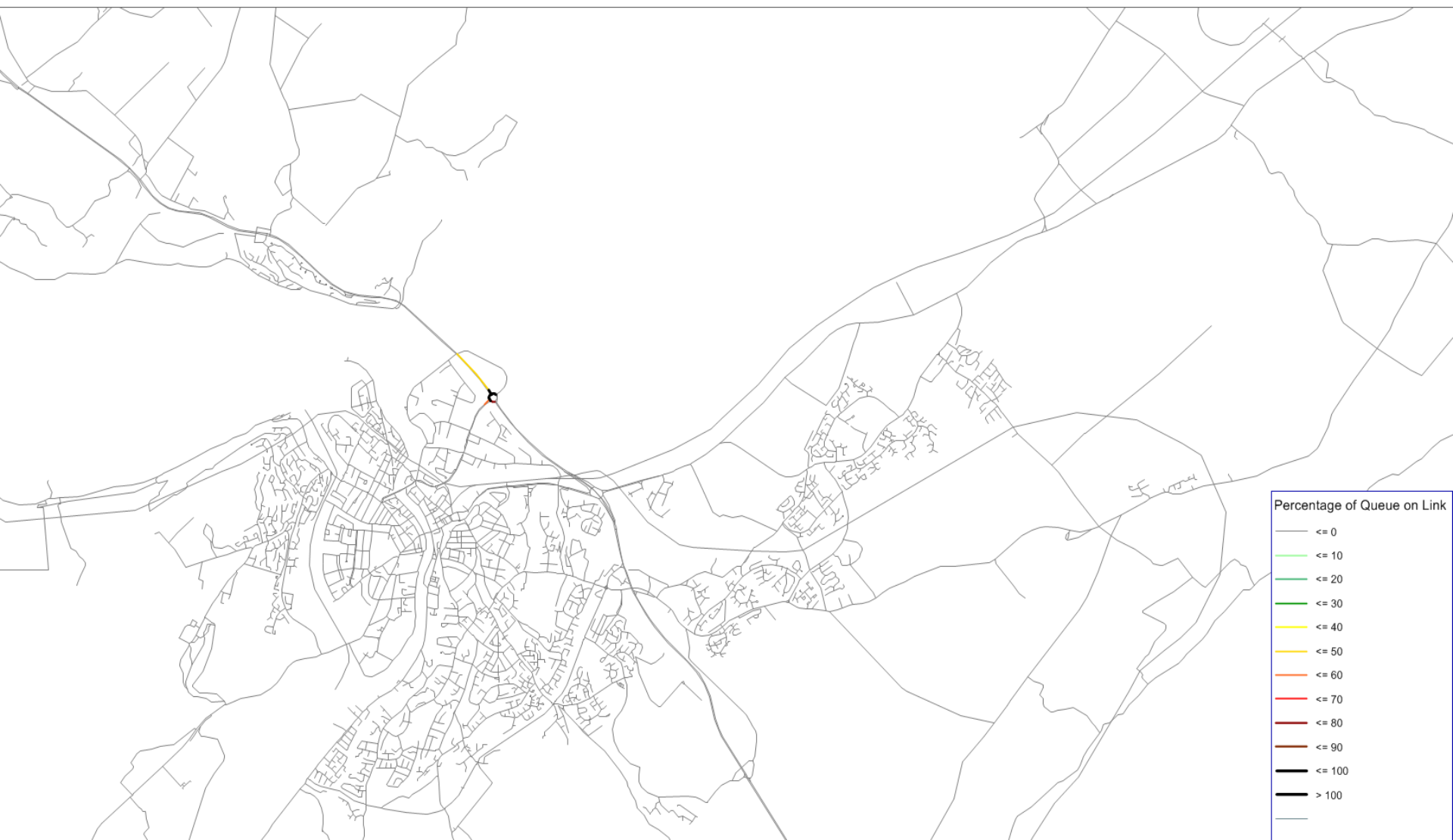
AM PEAK - 2016 Scenario 2

Area	Cause
Longman	Link



AM PEAK - 2021 Scenario 1

Area	Cause
Longman	Link



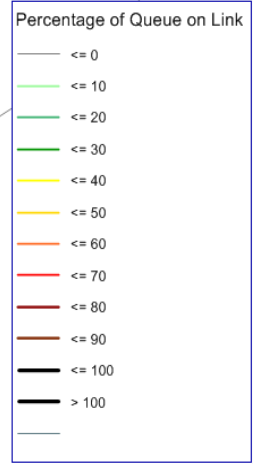
AM PEAK - 2021 Scenario 2

Area	Cause
Longman	Link



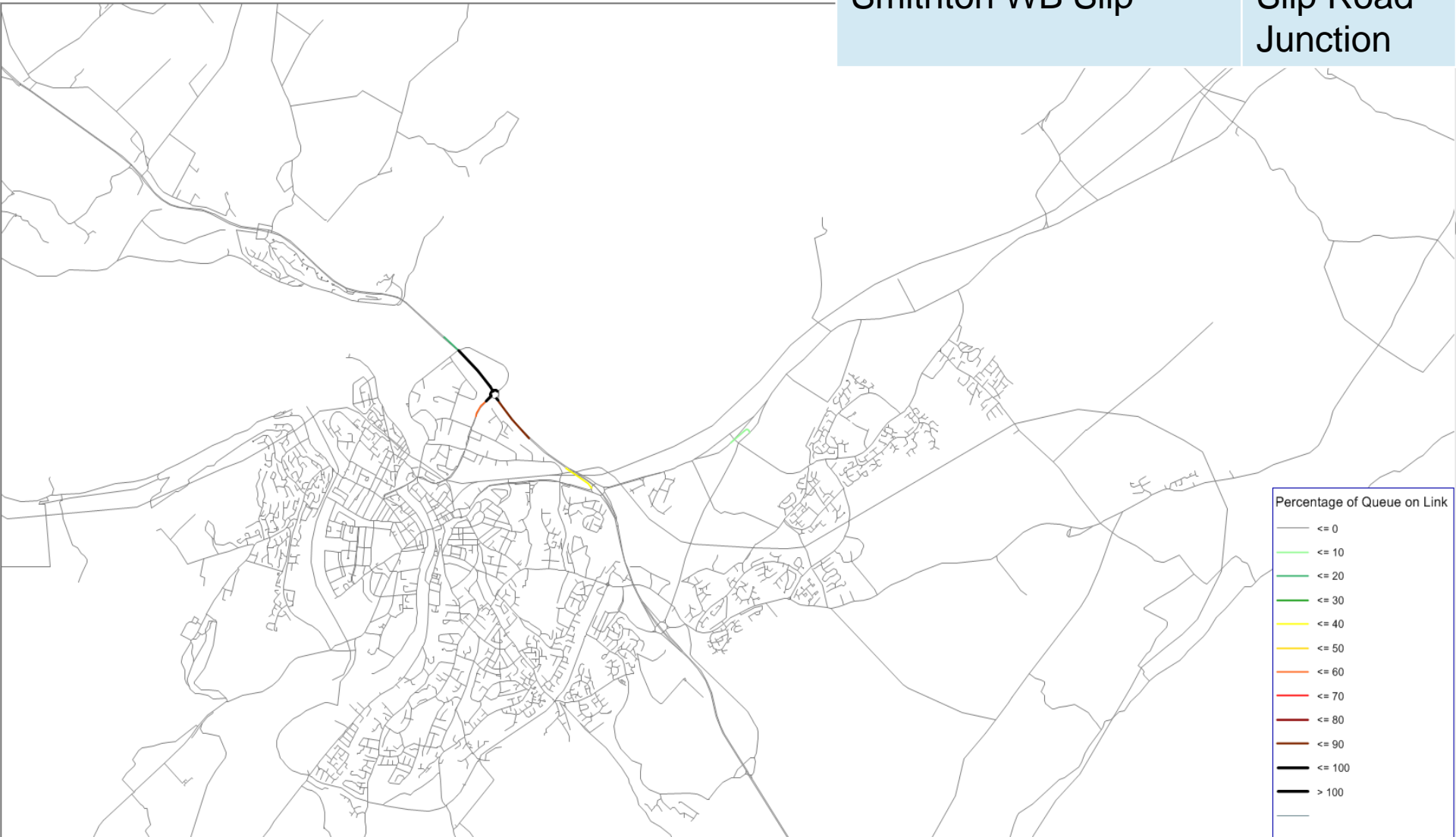
AM PEAK - 2031 Scenario 1

Area	Cause
Longman	Link
Raigmore	Junction



AM PEAK - 2031 Scenario 2

Area	Cause
Longman	Link
Raigmore	Slip Road Junction
Smithton WB Slip	Slip Road Junction



PM PEAK - 2009 Base

Area	Cause
Young Street	Junction
Raigmore	Junction



PM PEAK - 2016 Scenario 1

Area	Cause
Young Street	Junction
Raigmore	Junction



PM PEAK - 2016 Scenario 2

Area	Cause
Young Street	Junction
Raigmore Hospital	Junction



PM PEAK - 2021 Scenario 1

Area	Cause
Young Street	Junction
Raigmore Hospital	Junction
Longman	Junction



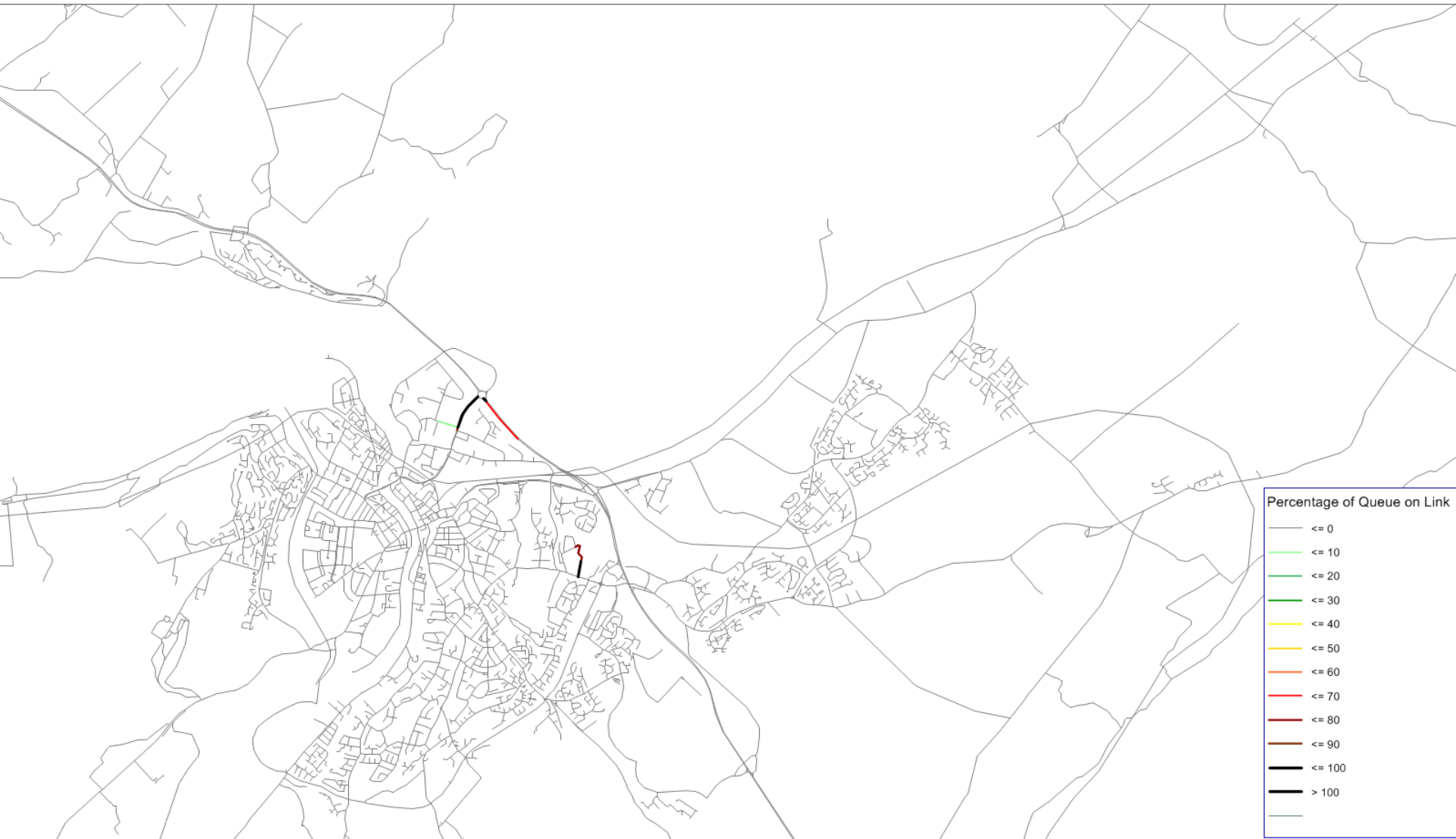
PM PEAK - 2021 Scenario 2

Area	Cause
Raigmore Hospital	Junction
Longman	Junction



PM PEAK - 2031 Scenario 1

Area	Cause
Raigmore Hospital	Junction
Longman	Link



PM PEAK - 2031 Scenario 2

Area	Cause
New A9 Junction	Junction
Longman	Link
Drumossie	Junction

