

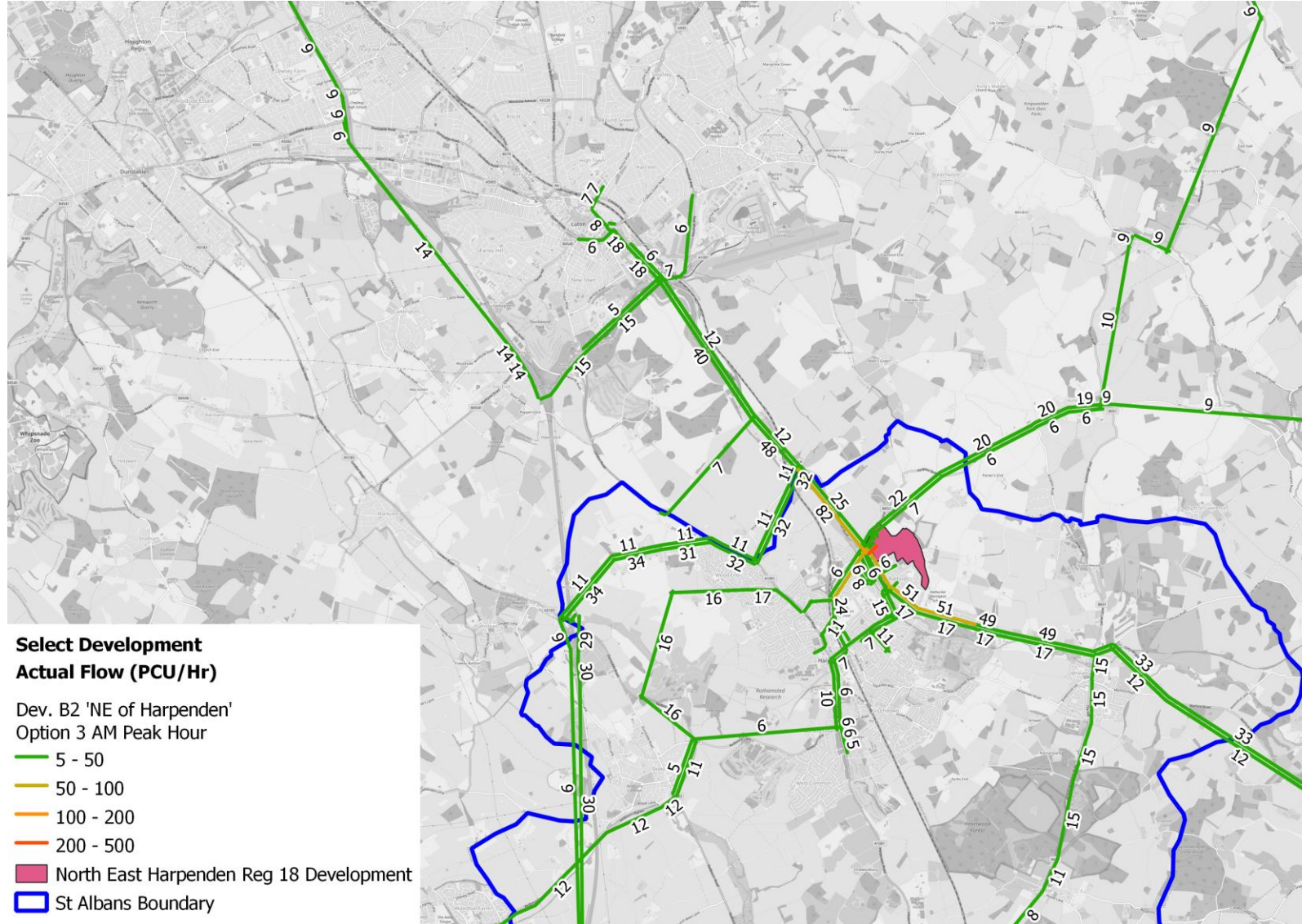
St Albans Local Plan Transport Modelling Cross-boundary impact of the plan on the key routes through CBC

St Albans Local Plan Impacts on CBC

- **Traffic flows - Impacts of the NE and NW Harpenden development**
- **Junction performance in the CBC area – Junction delays in Option 0, 1, 2 & 3**
- **Journey time information for sections of the two routes (A1081 and B653) in CBC**

Traffic flows - Impacts of the NE and NW Harpenden development

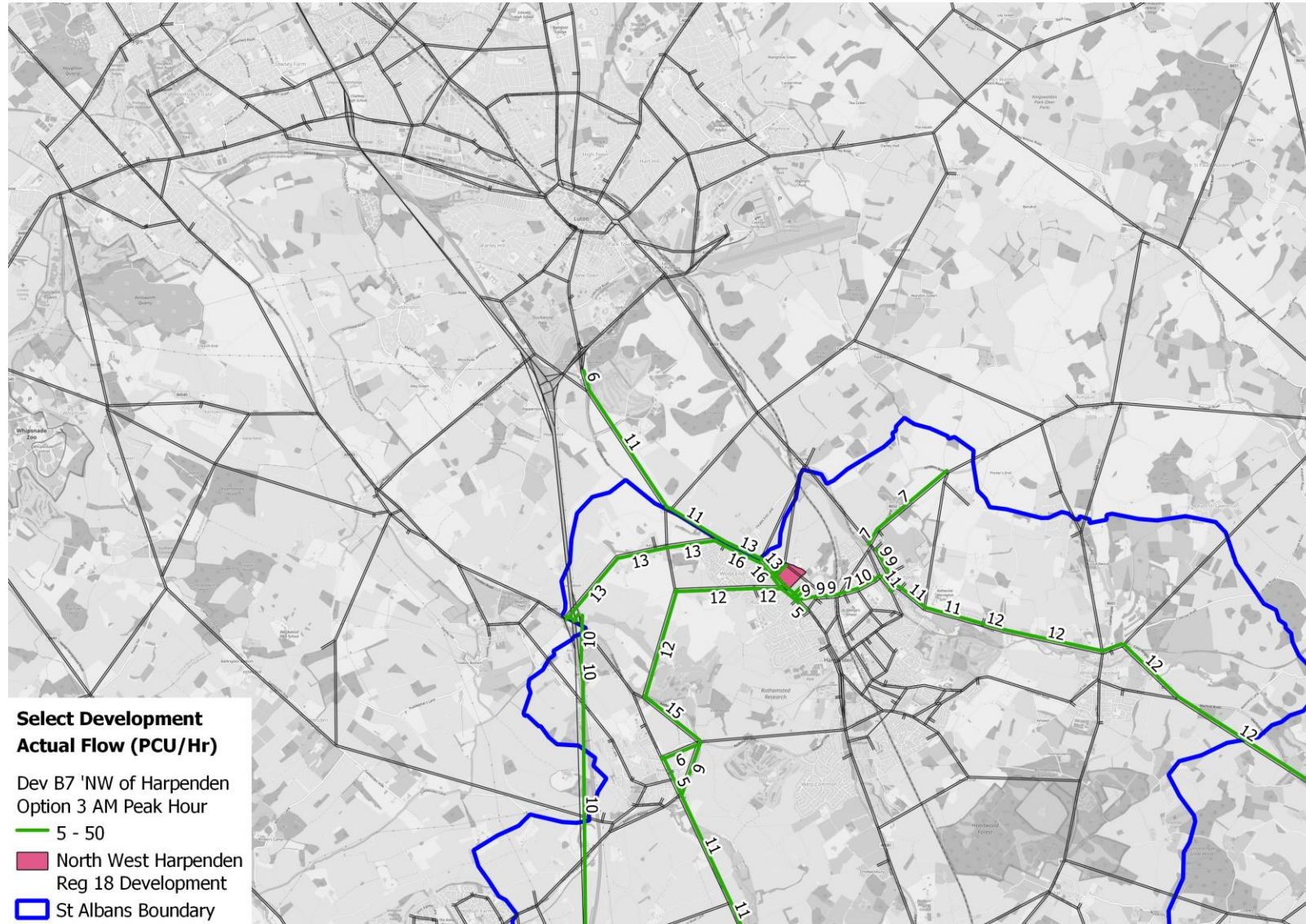
Traffic flows – North East Harpenden - Traffic to and from North East Harpenden Development (AM Peak) Option 3



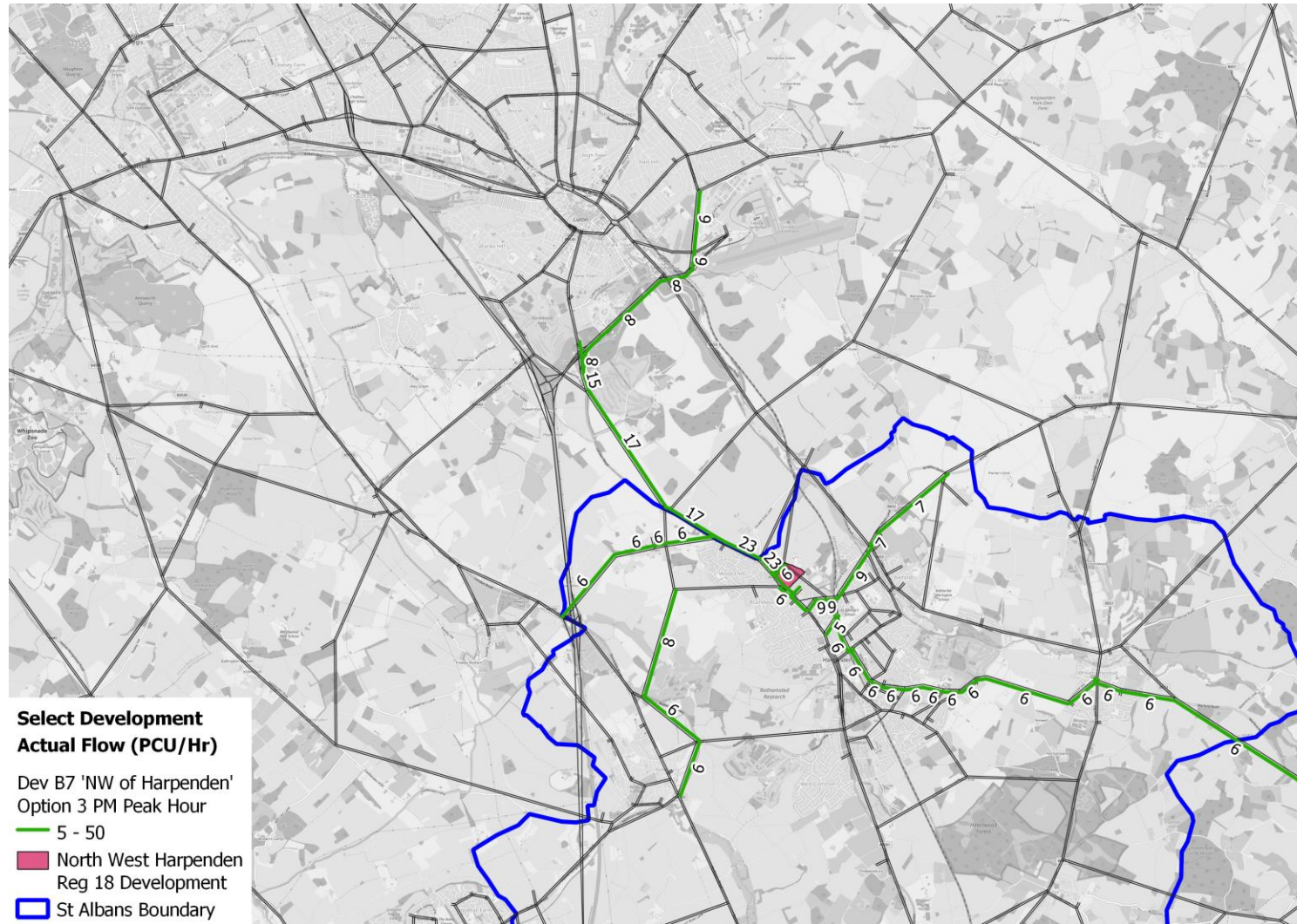
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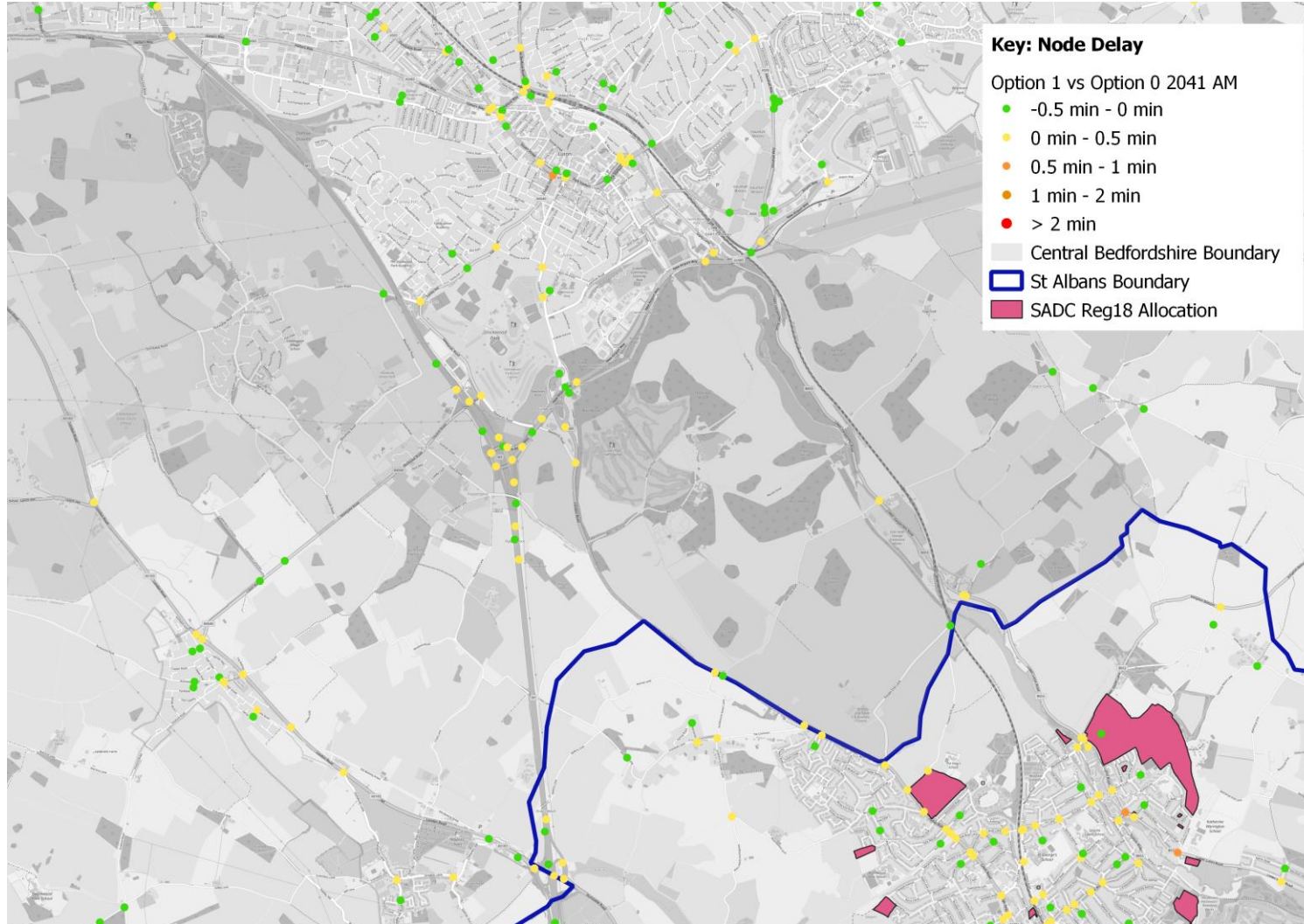
Traffic flows – North West Harpenden - Traffic to and from North West Harpenden Development (PM Peak) Option 3



Junction performance in the CBC area – Junction delays in Option 0, 1, 2 & 3

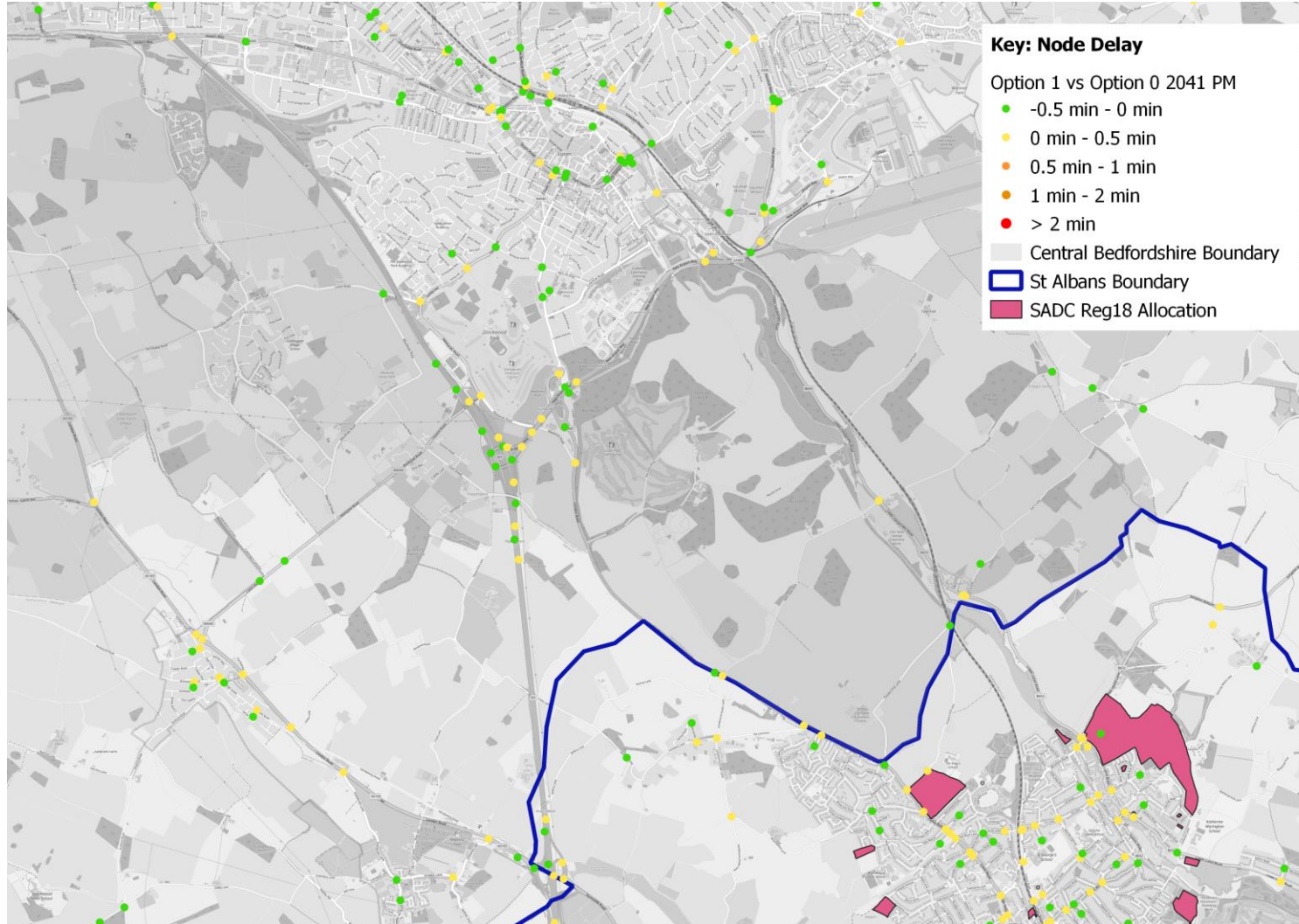
Impacts of Local Pan without Mitigation

Node delay difference – Option 1 vs Option 0 – AM Peak

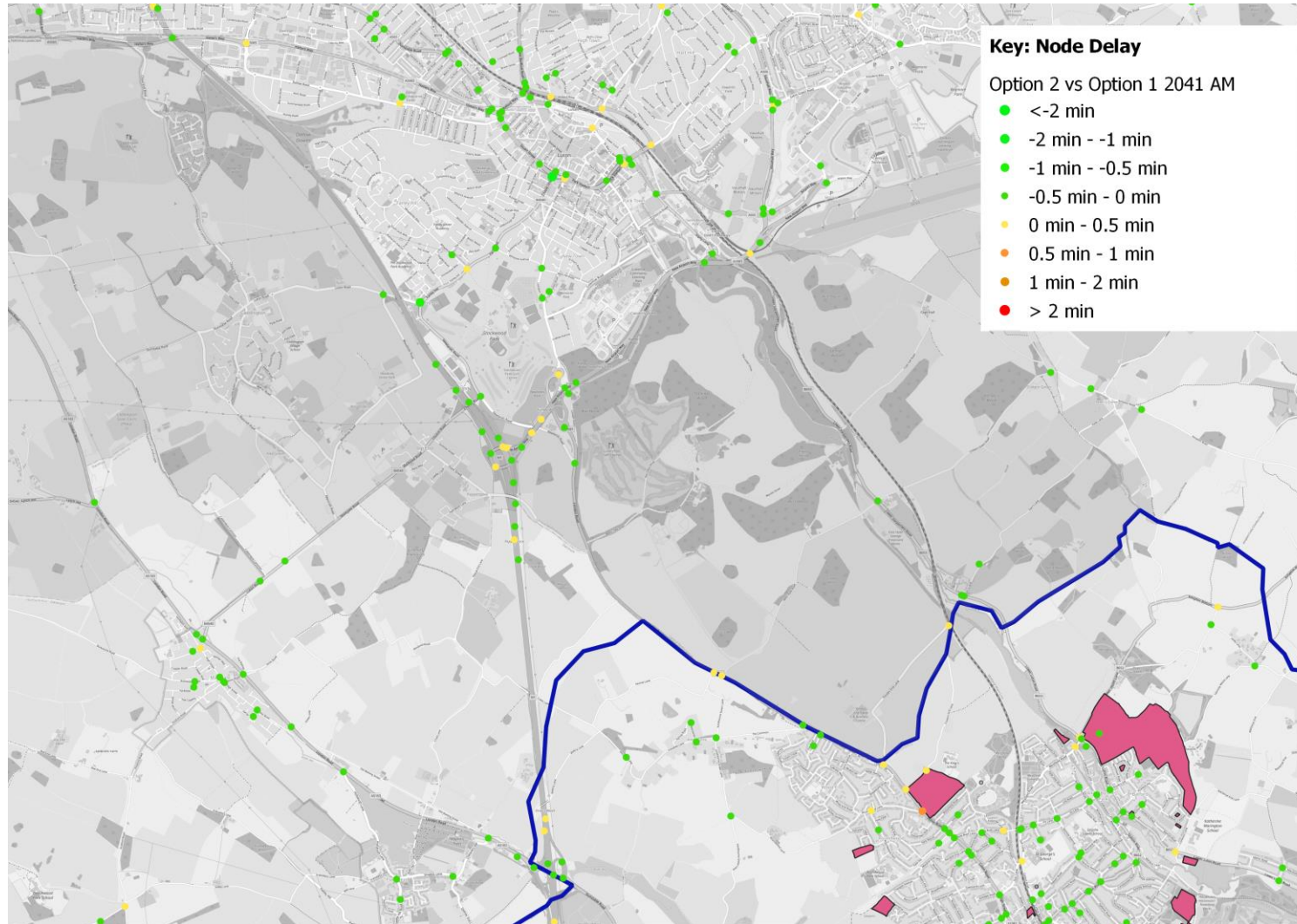


Impacts of Local Pan without Mitigation

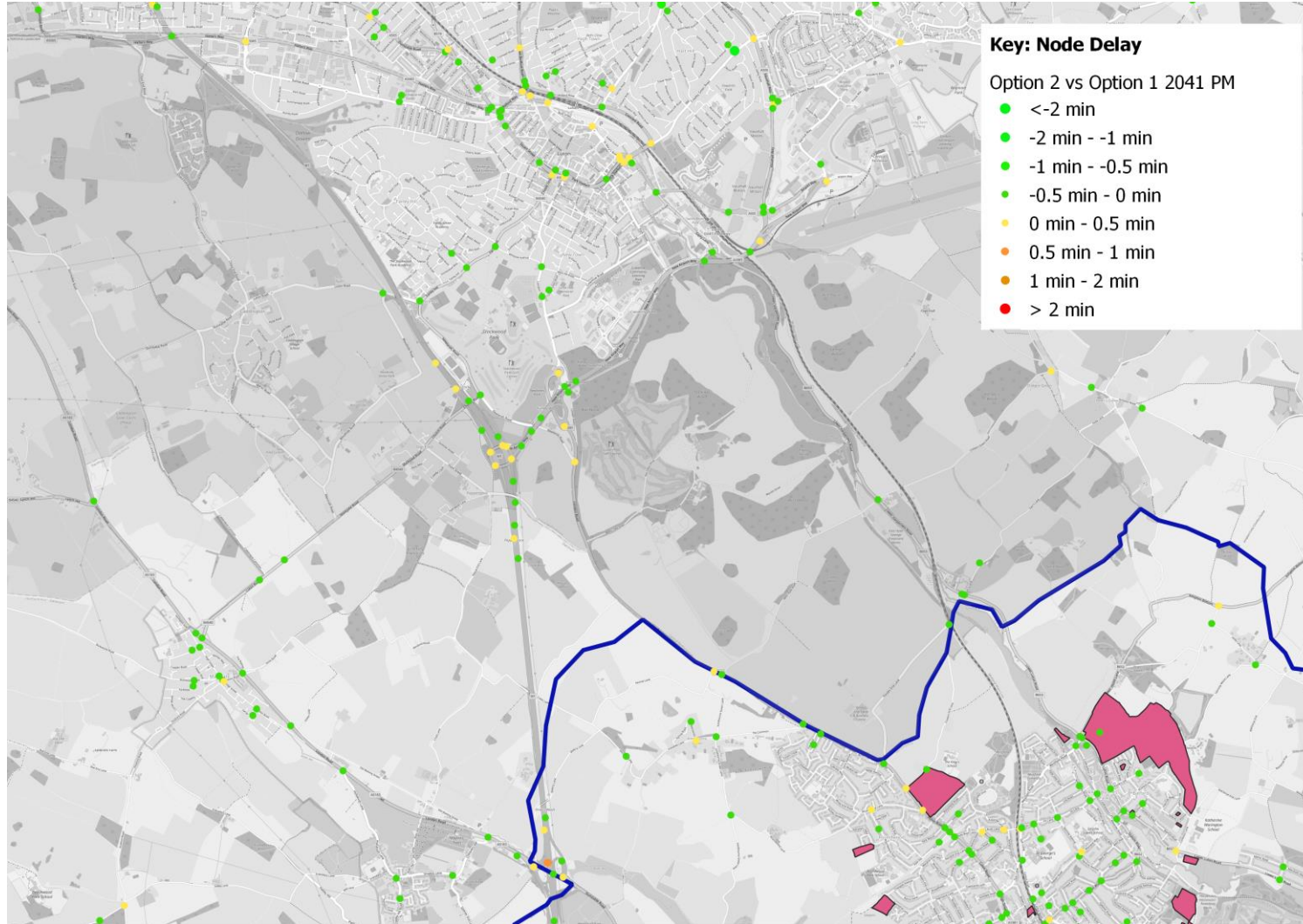
Node delay difference – Option 1 vs Option 0 – PM Peak



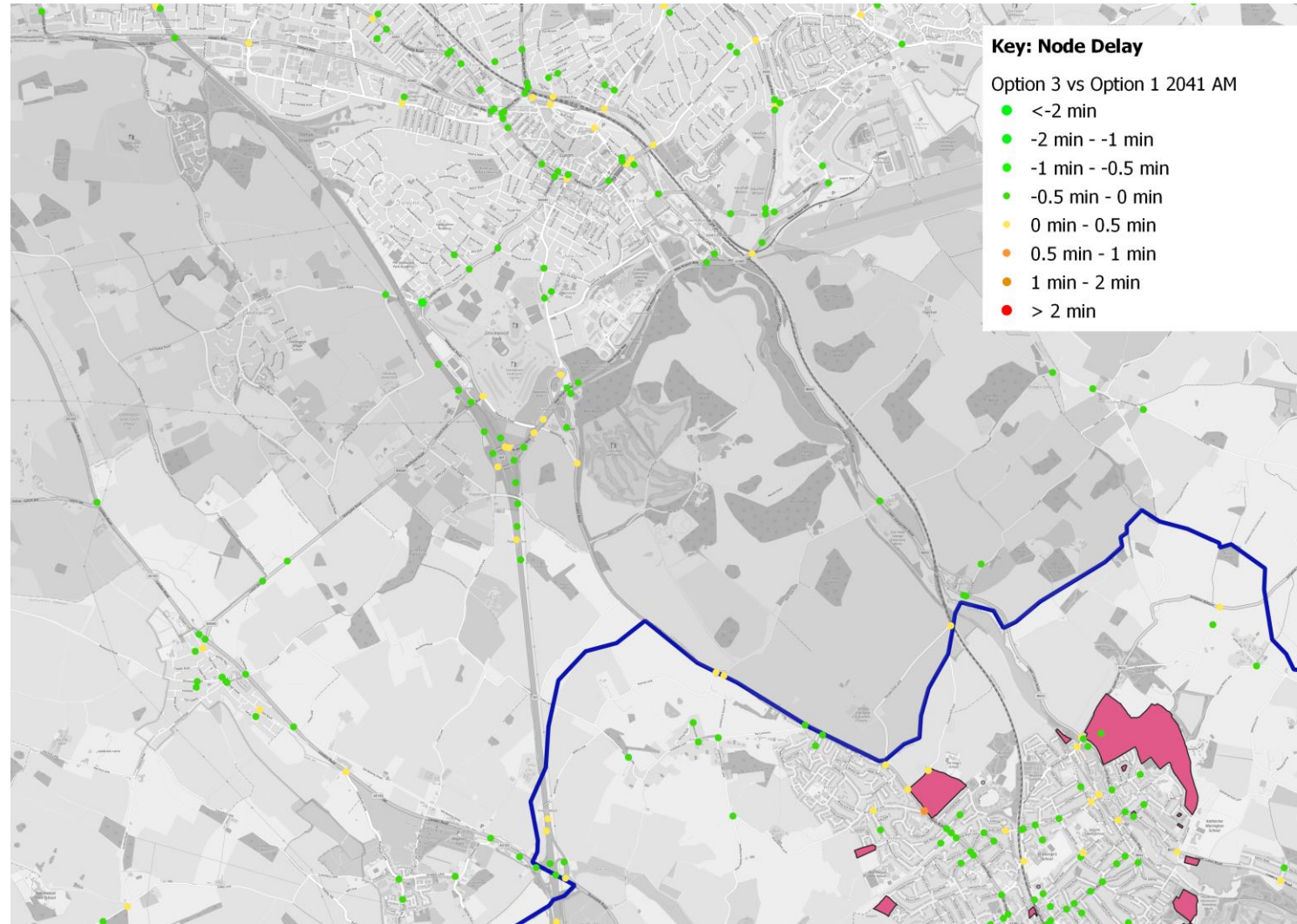
Impact of Mitigation (IDP and 10% Modal Shift) Node delay difference – Option 2 vs Option 1 – AM Peak



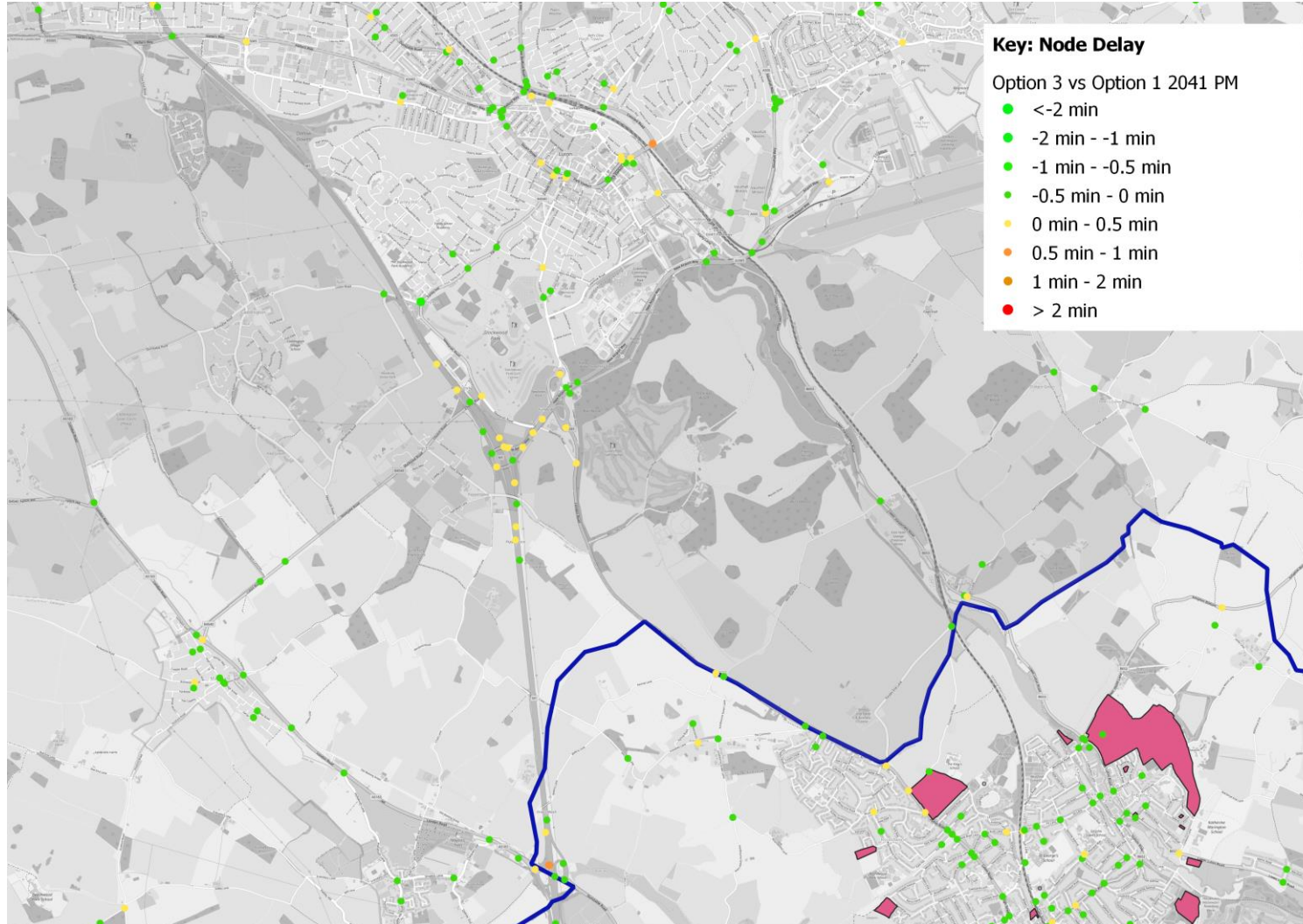
Impact of Mitigation (IDP and 10% Modal Shift) Node delay difference – Option 2 vs Option 1 – PM Peak



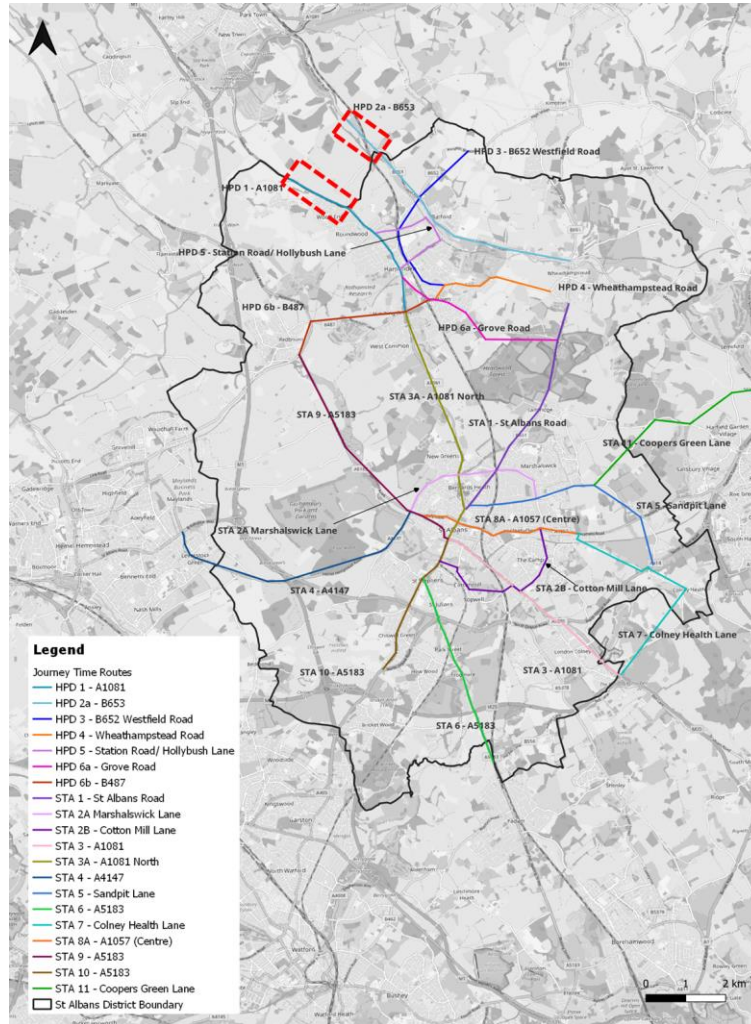
Impact of Mitigation (IDP and Alternative Modal Shift) Node delay difference – Option 3 vs Option 1 – AM Peak



Impact of Mitigation (IDP and Alternative Modal Shift) Node delay difference – Option 3 vs Option 1 – PM Peak



Journey Time information for sections of the two routes (A1081 and B653) in CBC



Sections of the two routes used for this analysis

Journey Time information for sections of the two routes (A1081 and B653) in CBC

Summary of Journey Times by Route – AM Peak hour

Route	Section	Journey Time (mins:sec)				
		Base	Option 0	Option 1	Option 2	Option 3
HPD 1 (NB)	Cooters End Ln to West Hyde Rd	2:20	2:29	3:23	3:3	3:8
HPD 1 (SB)	West Hyde Rd to Cooters End Ln	2:21	2:23	2:23	2:18	2:19
HPD 2A (NB)	Bower Heath Ln to West Hyde Rd	3:49	4:5	4:22	4:16	4:19
HPD 2A (SB)	West Hyde Rd to Bower Heath Ln	3:56	4:6	4:8	4:2	4:9

Journey Time information for sections of the two routes (A1081 and B653) in CBC

Summary of Journey Times by Route – PM Peak hour

Route	Section	Journey Time (mins:sec)				
		Base	Option 0	Option 1	Option 2	Option 3
HPD 1 (NB)	Cooters End Ln to West Hyde Rd	2:48	3:23	3:35	3:14	3:9
HPD 1 (SB)	West Hyde Rd to Cooters End Ln	2:9	2:13	2:19	2:14	2:17
HPD 2A (NB)	Bower Heath Ln to West Hyde Rd	3:43	4:5	4:12	4:7	4:6
HPD 2A (SB)	West Hyde Rd to Bower Heath Ln	3:44	3:53	3:57	3:56	4:1