Derby HMA Local Plan Appraisal **09/01/2026**

Reference number GB01T25E05

STRATEGIC TRANSPORT ASSESSMENT

SYSTRA

DERBY HMA LOCAL PLAN APPRAISAL

STRATEGIC TRANSPORT ASSESSMENT

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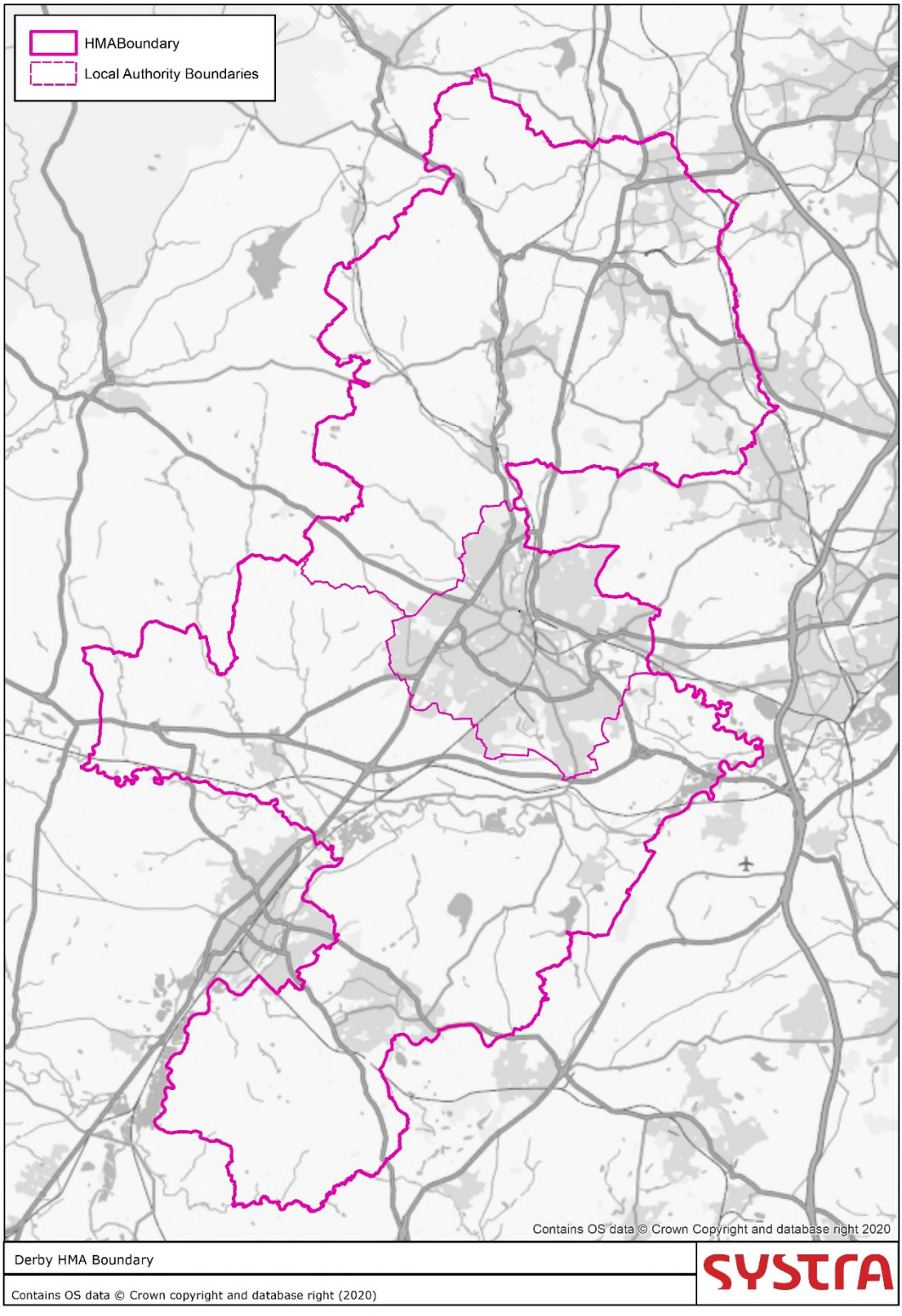
1. INTRODUCTION

No Figures

2. MODELLING METHODOLOGY OVERVIEW

Figure 1. EMGM Simulation Area

Figure 2. Derby HMA Local Plan Area



3. NO HMA DEVELOPMENT (DO MINIMUM)

Figure 3. Development Locations

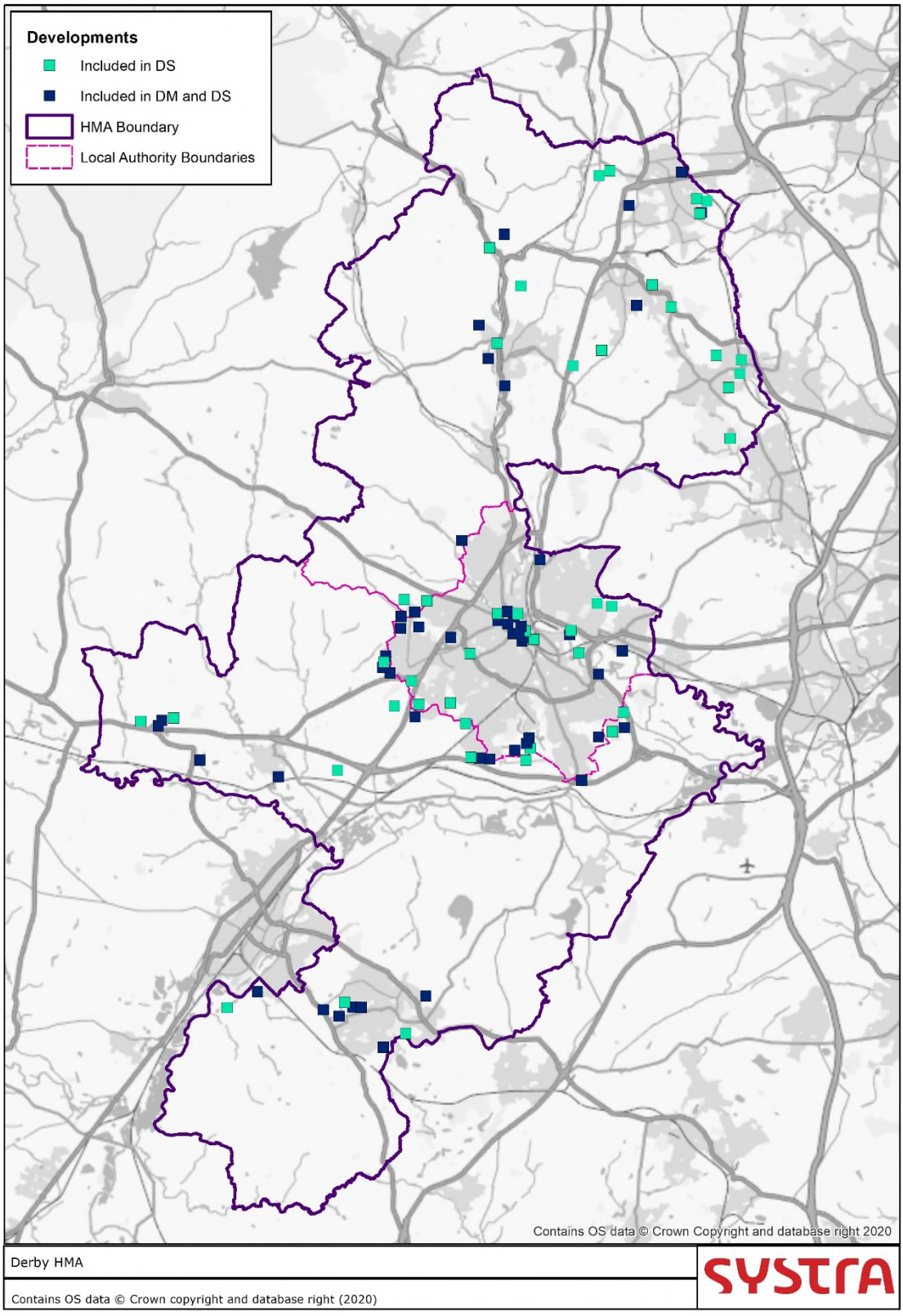


Figure 4. Do Minimum Flows – AM Peak

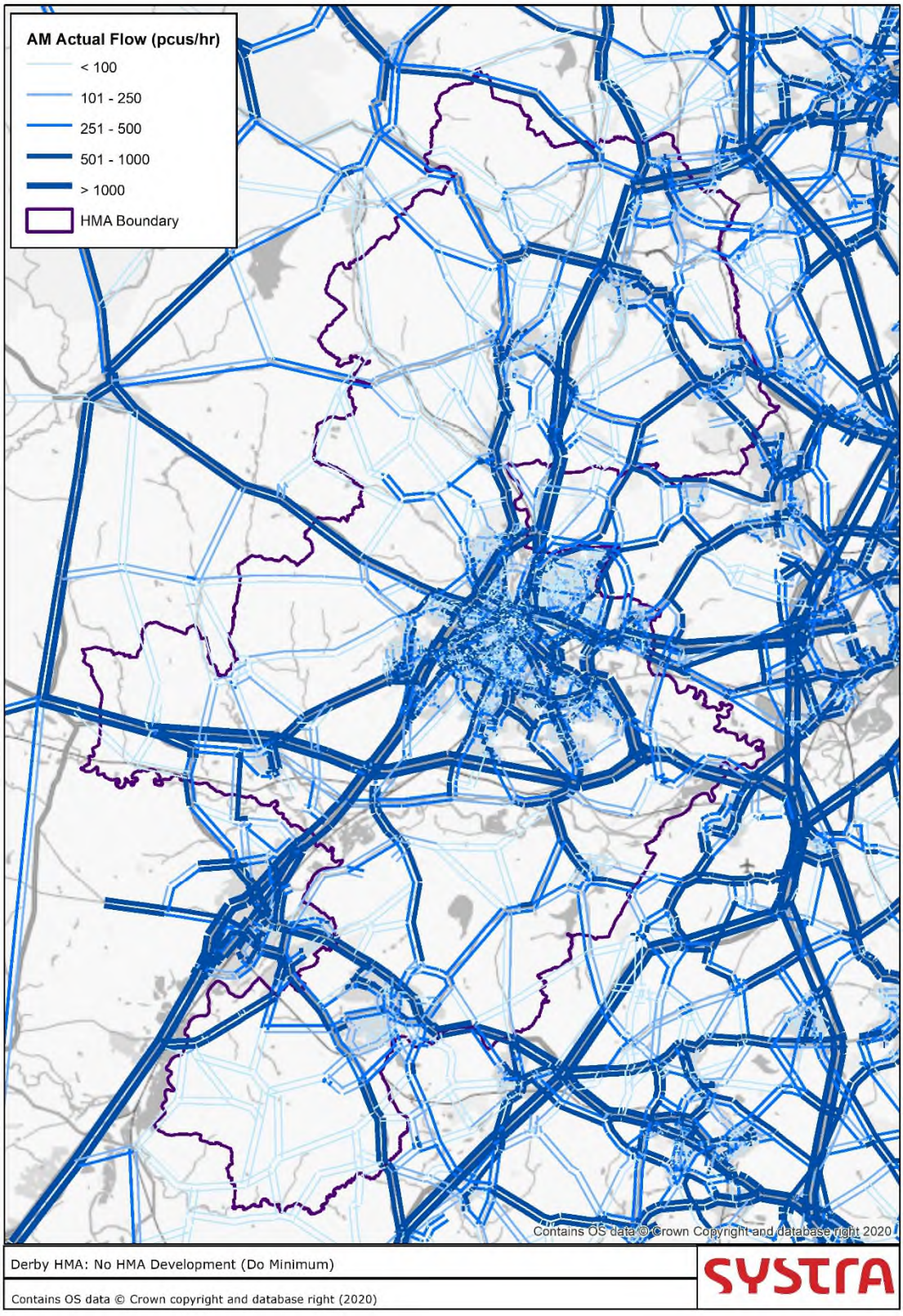


Figure 5. Do Minimum Flows – PM Peak

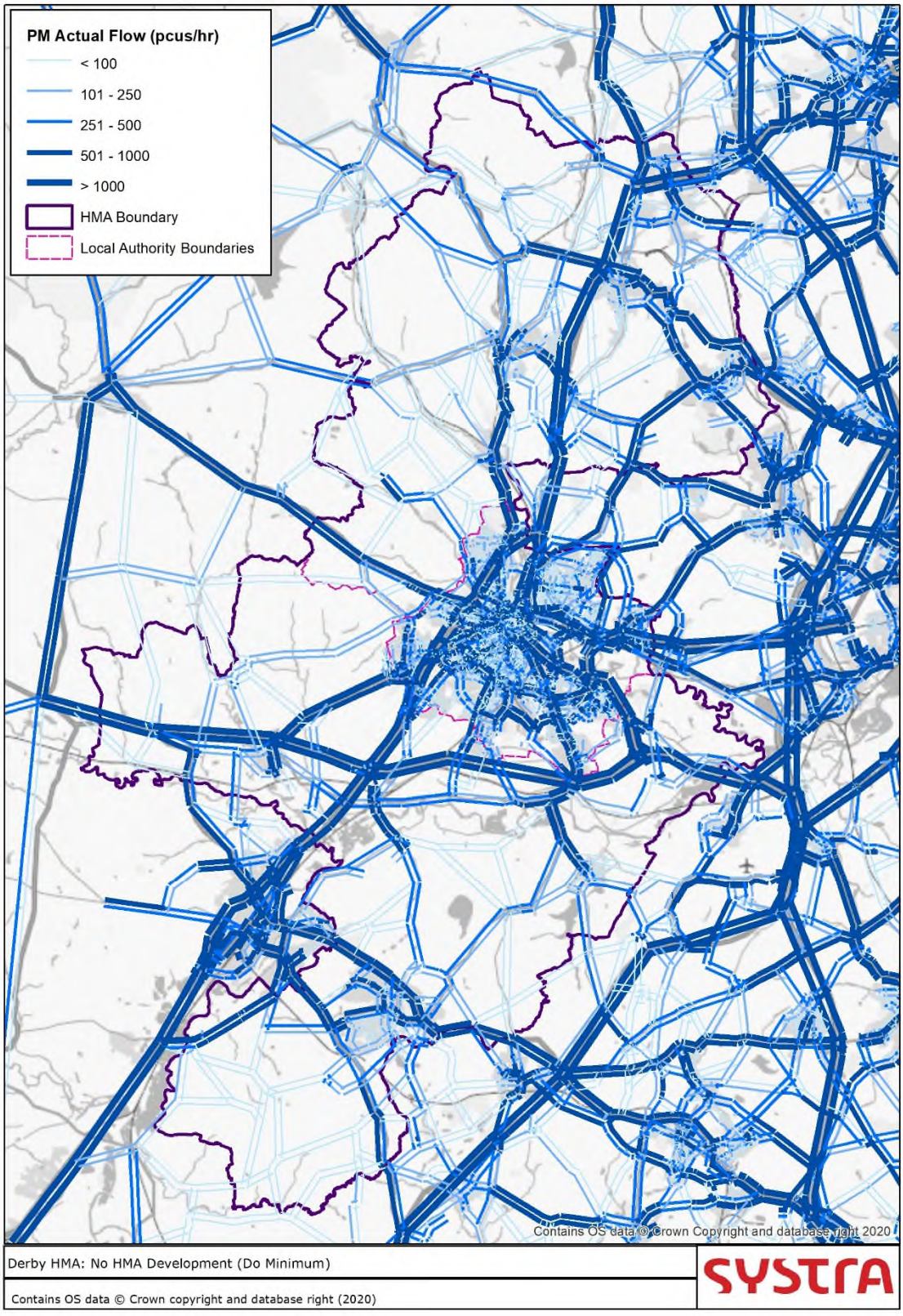


Figure 6. Do Minimum Ultimate Congestion – AM Peak

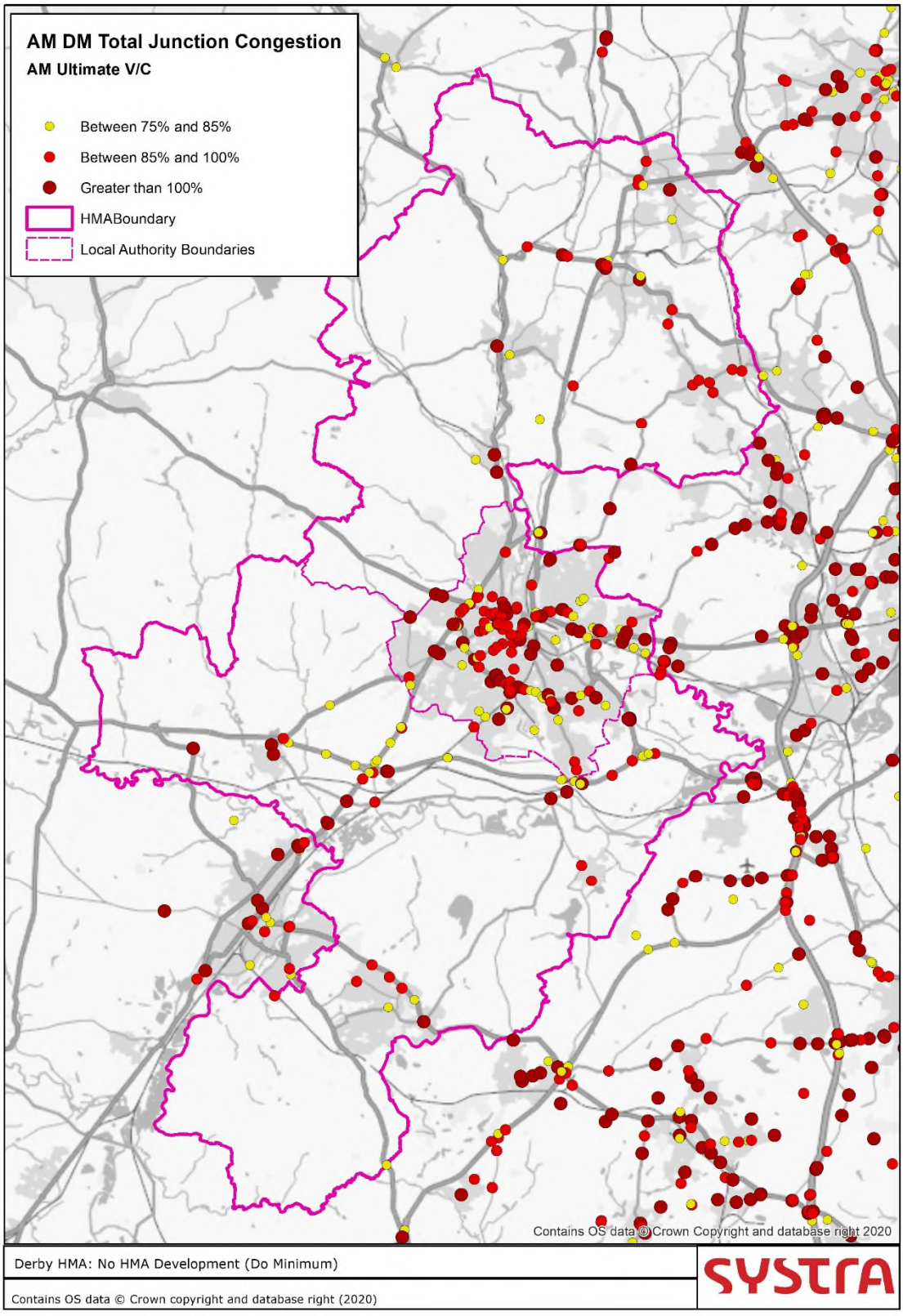
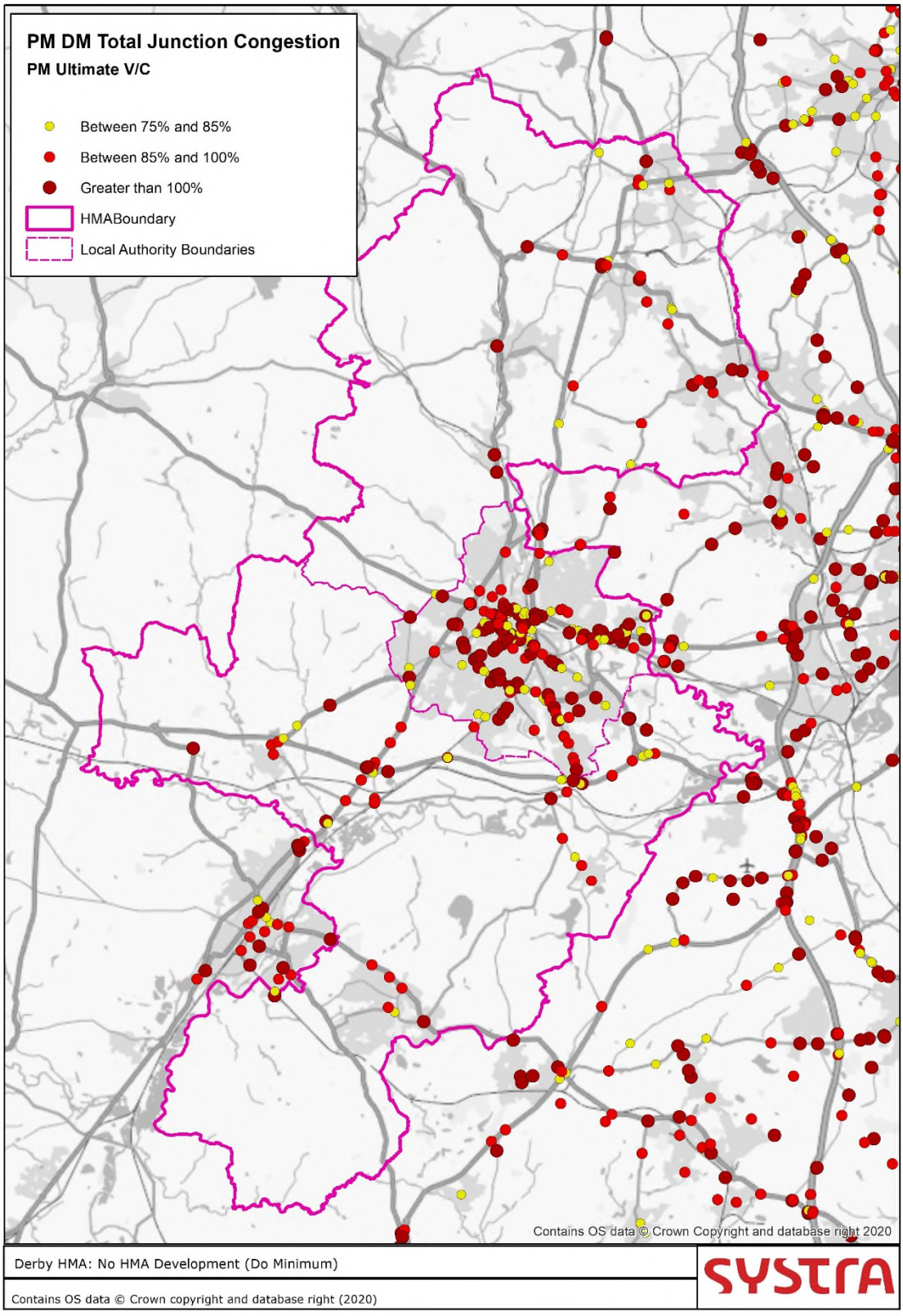


Figure 7. Do Minimum Ultimate Congestion – PM Peak



4. WITH HMA LOCAL PLAN DEVELOPMENT (DO SOMETHING 1)

Figure 8. Do Something 1 Development Distribution – AM Peak

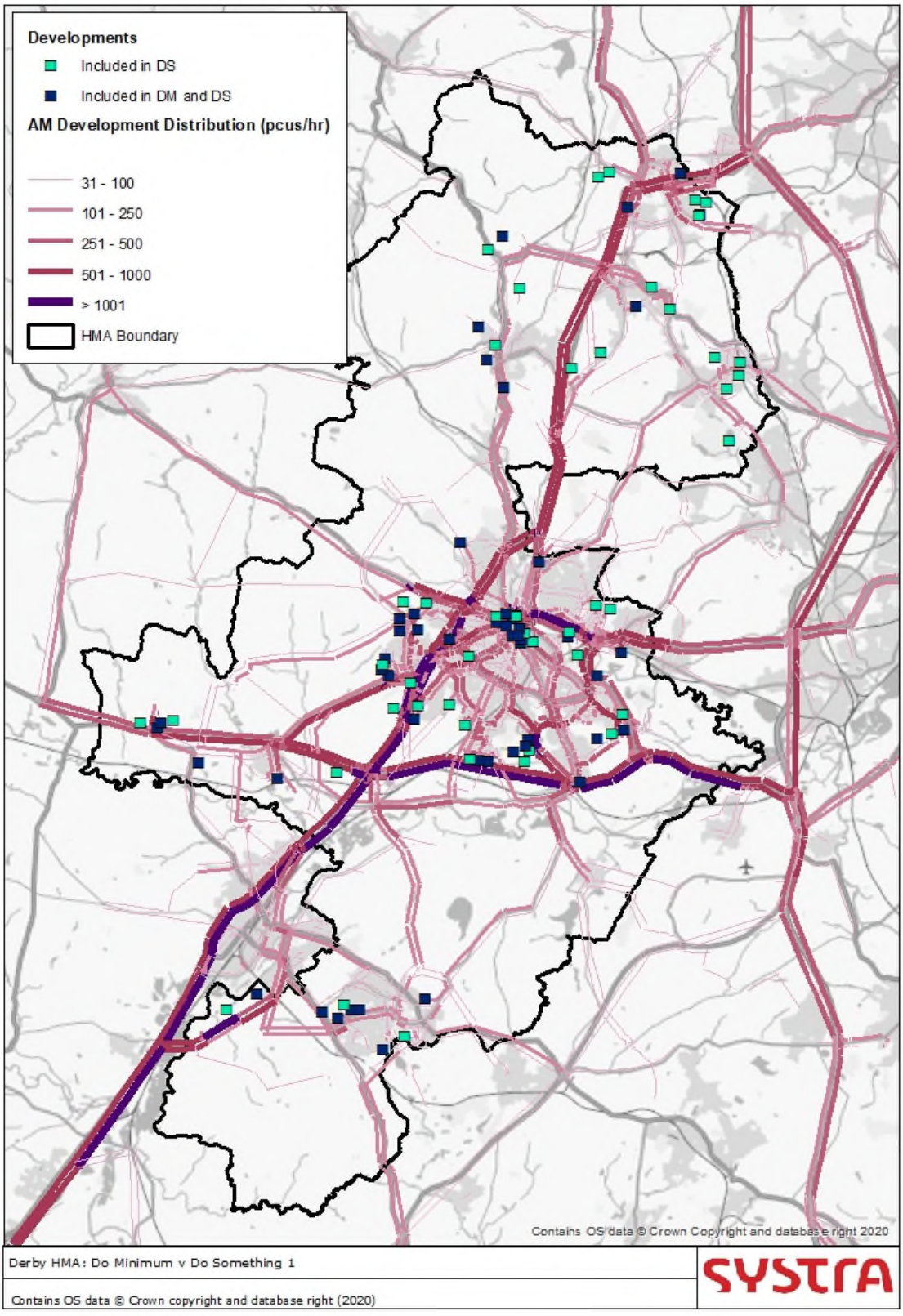


Figure 9. Do Something 1 Development Distributions – PM Peak

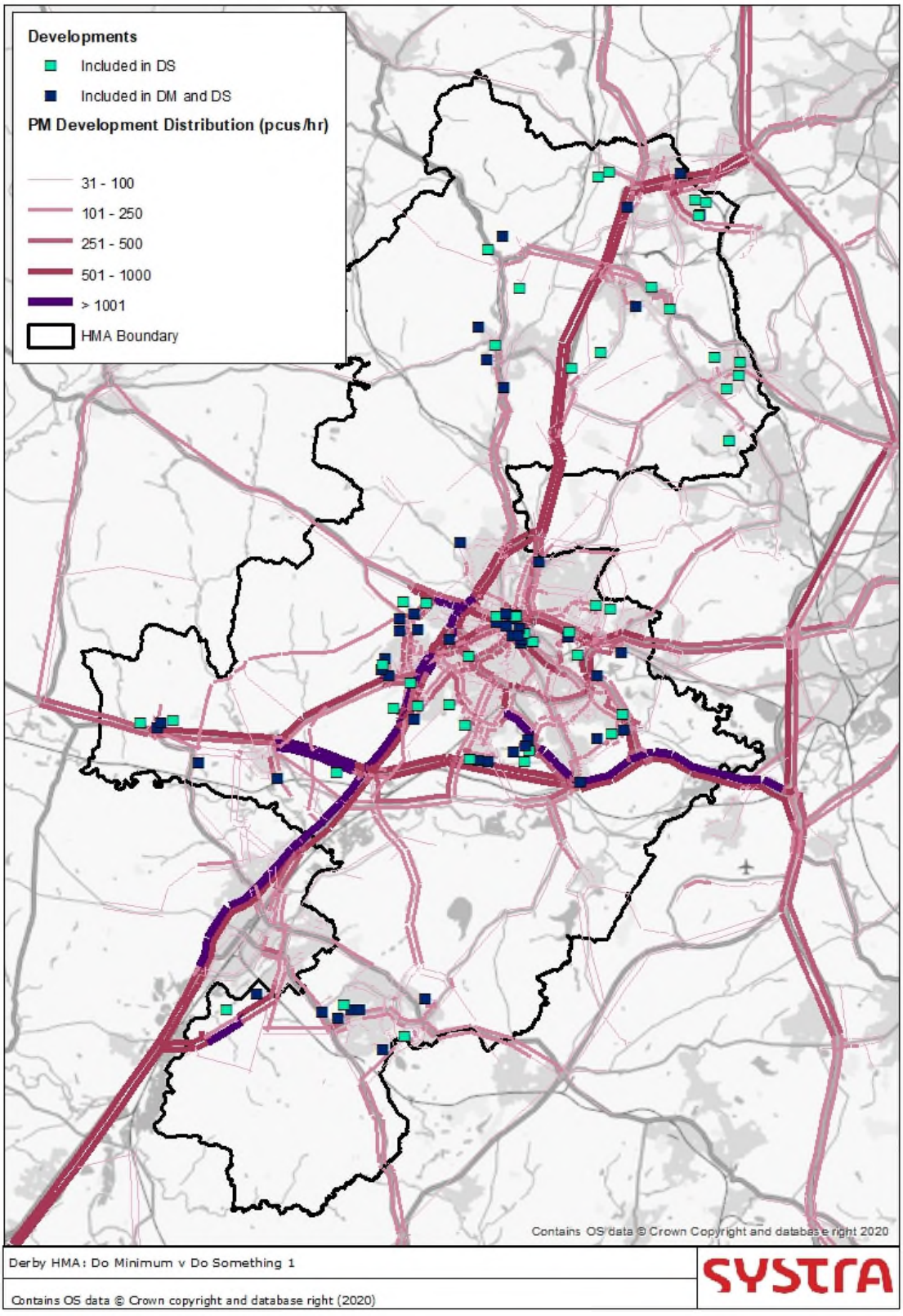


Figure 10. Do Minimum v Do Something 1 Flow Change – AM Peak

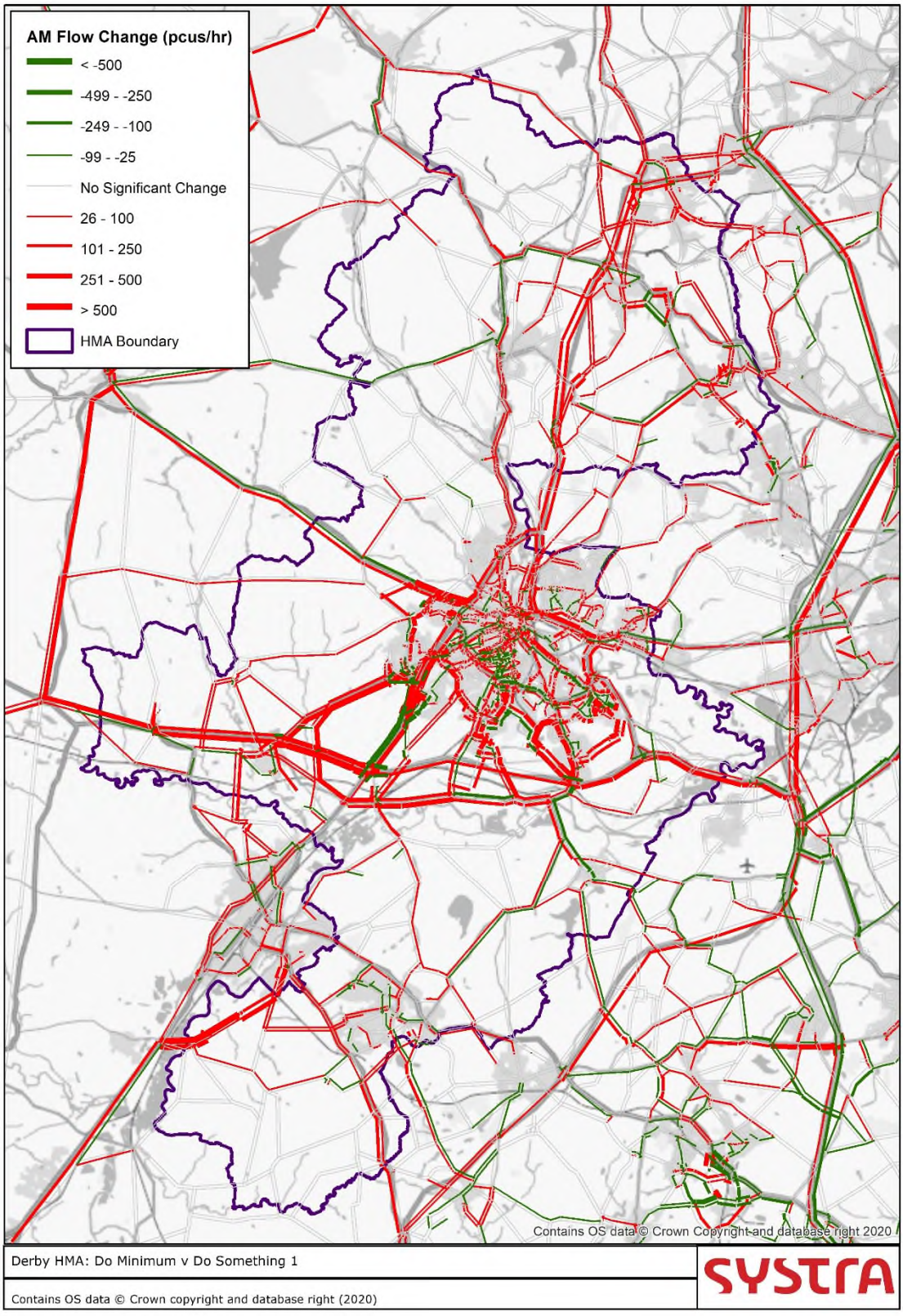


Figure 11. Do Minimum v Do Something 1 Flow Change – PM Peak

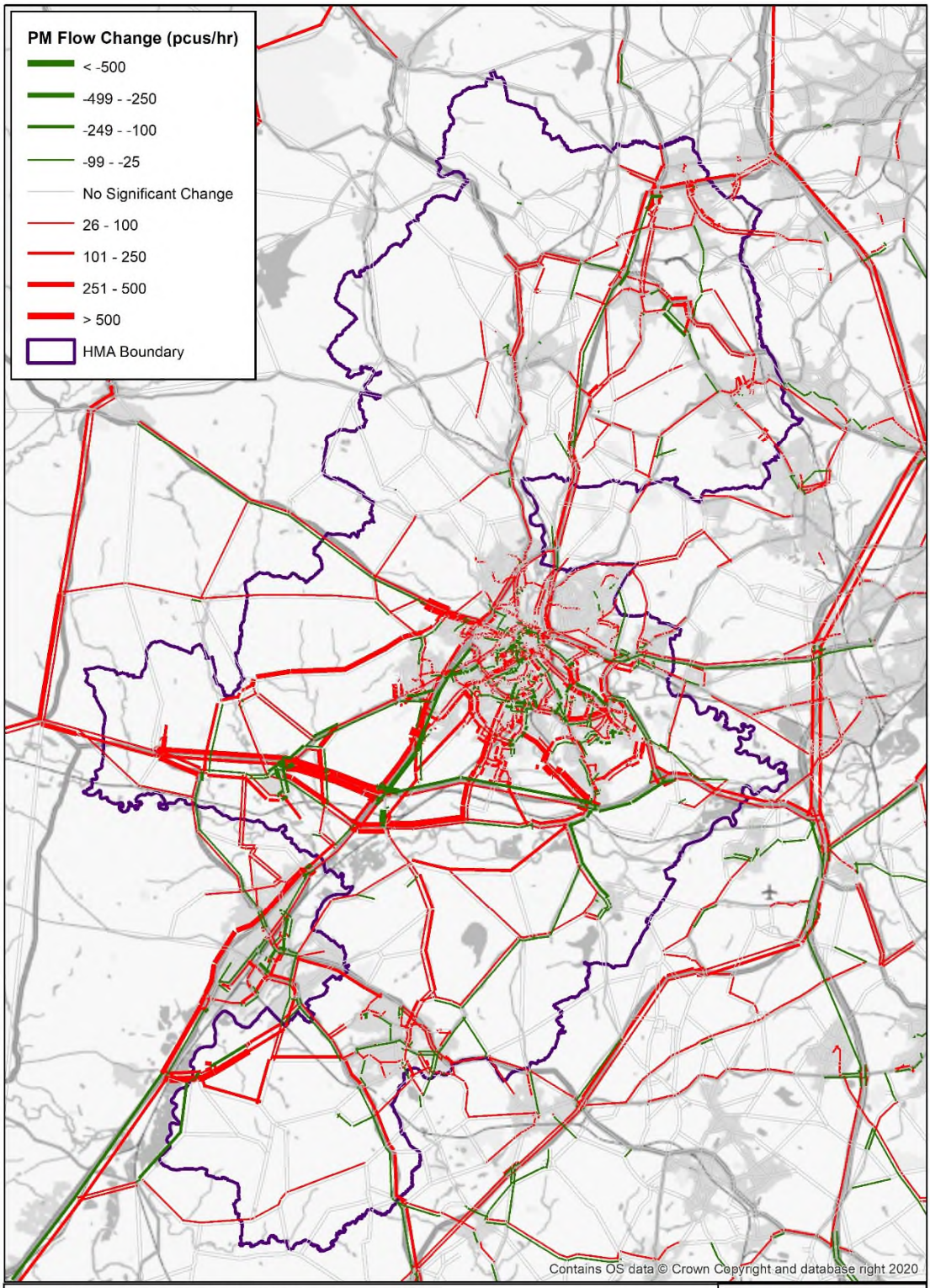
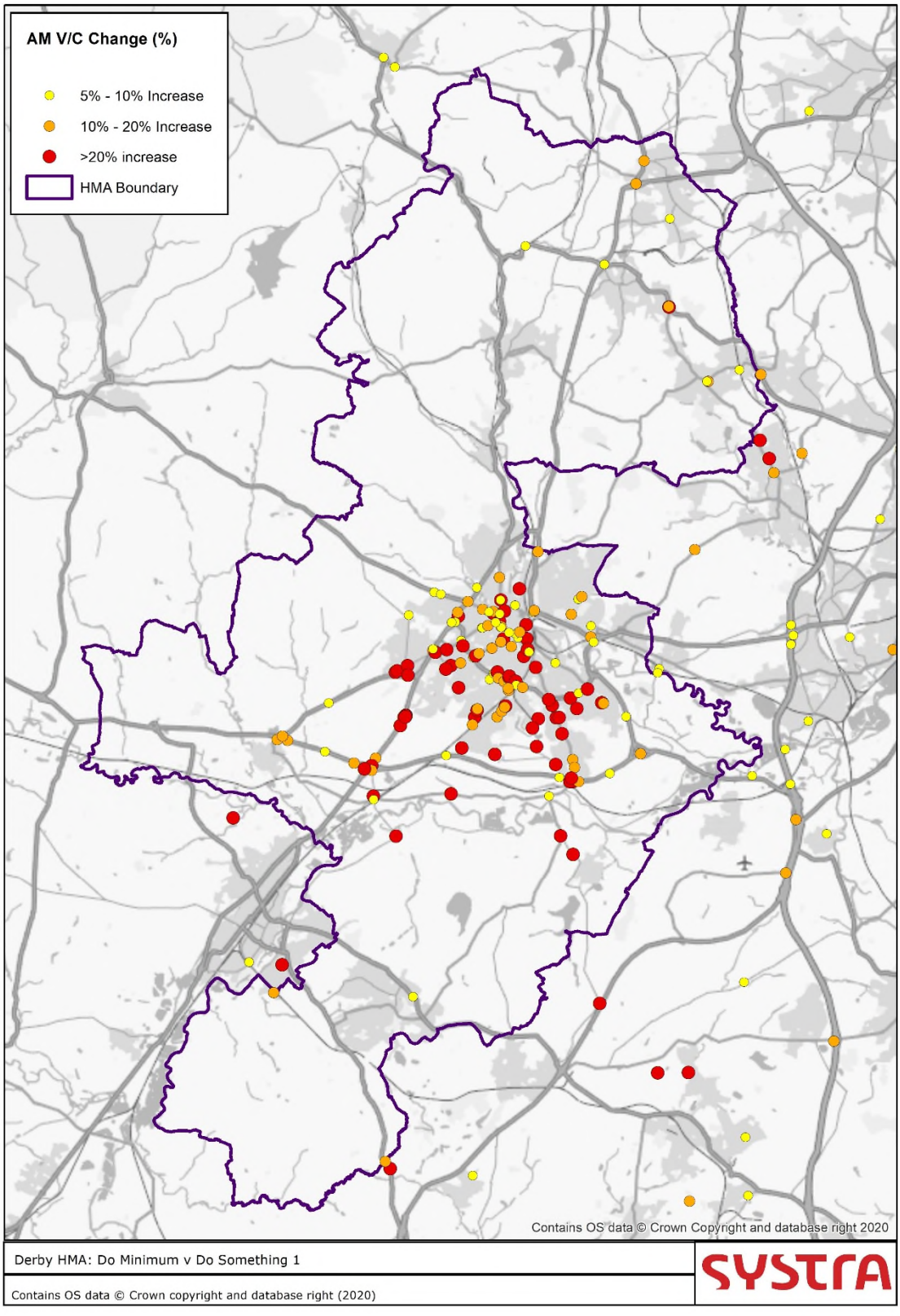


Figure 12. Do Minimum v Do Something 1 Congestion Change – AM Peak



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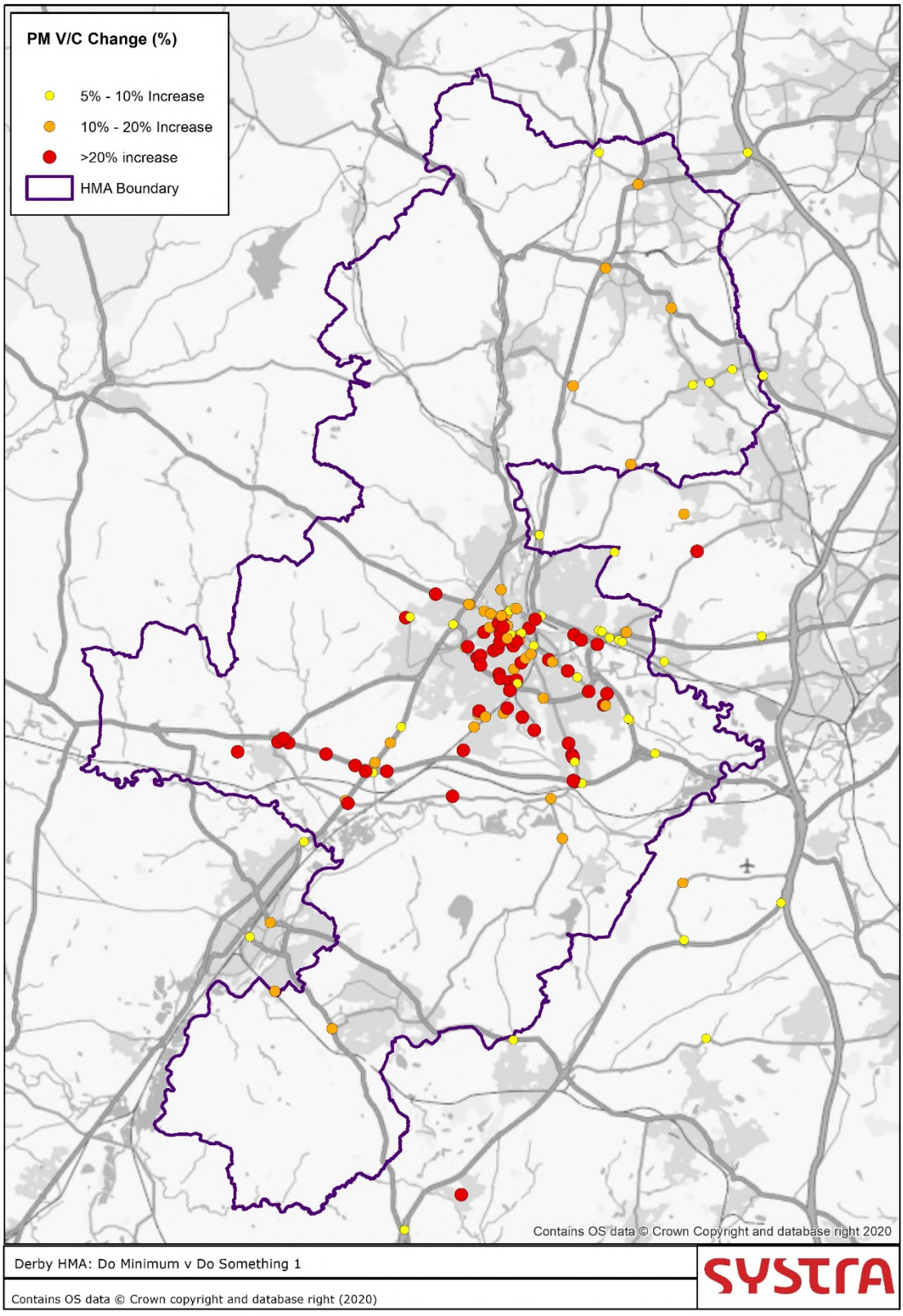


Figure 14. Do Something 1 Ultimate Congestion – AM Peak

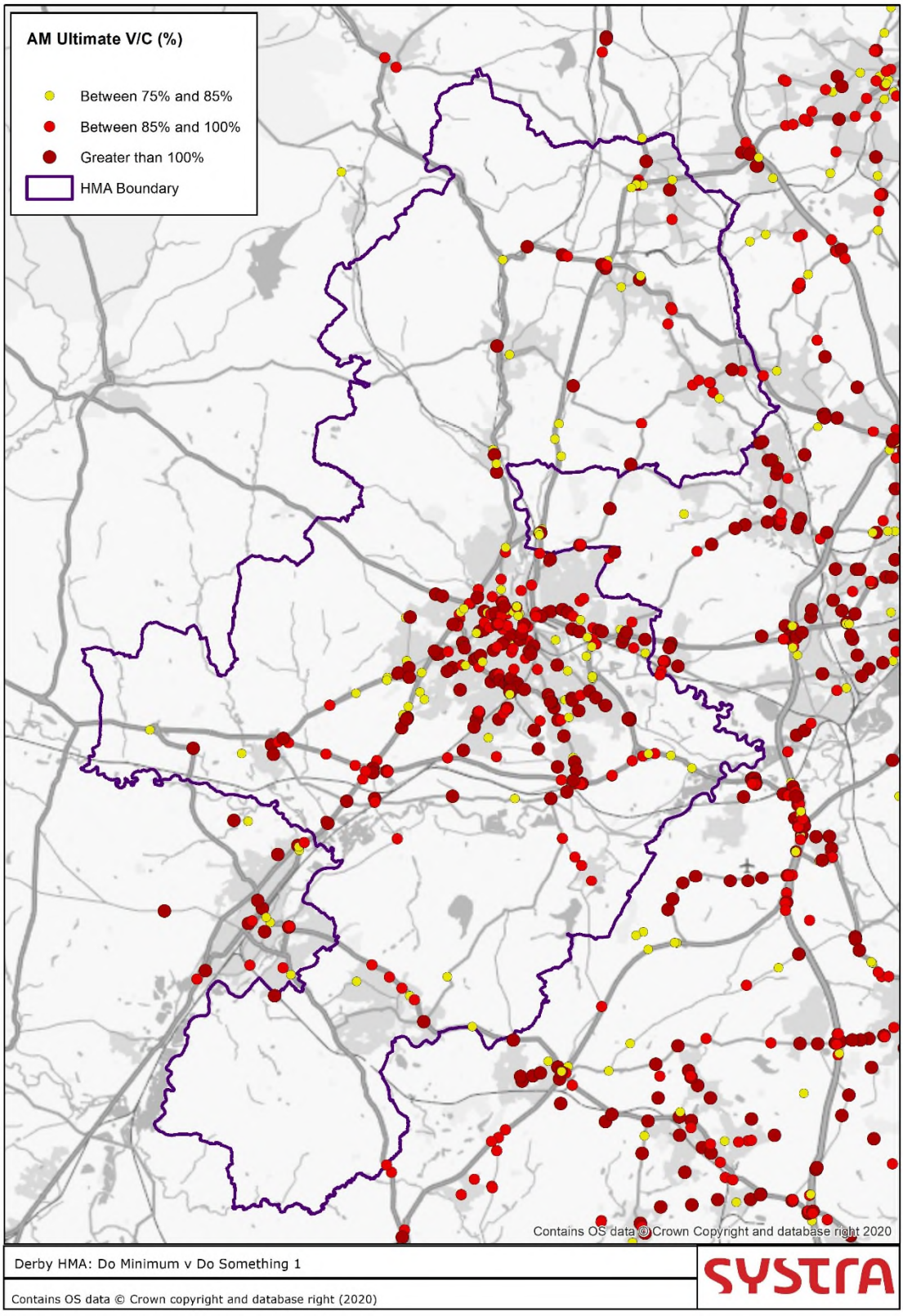
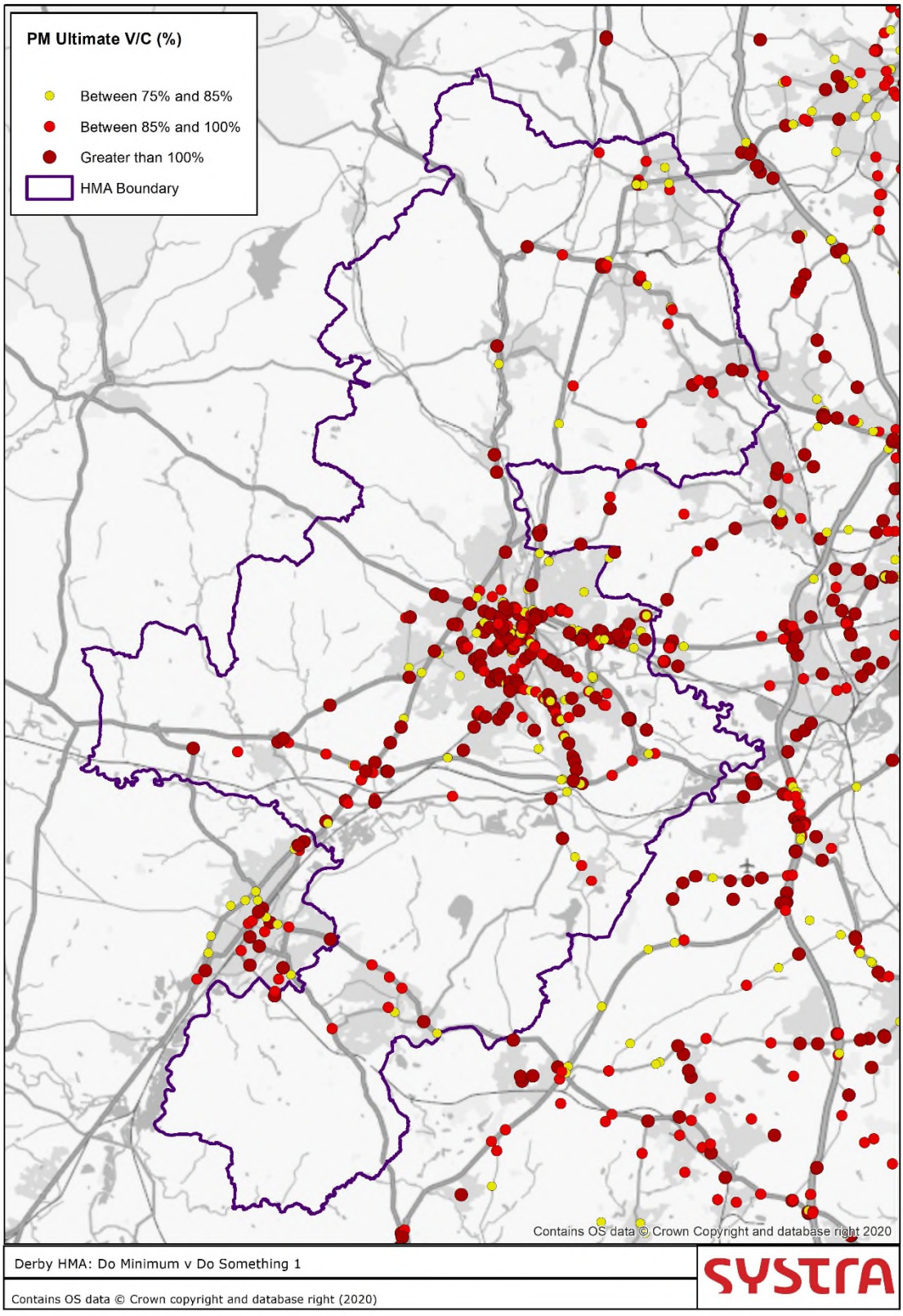


Figure 15. Do Something 1 Ultimate Congestion – PM Peak



5. WITH HMA LOCAL PLAN AND KNOWN MITIGATION (DO SOMETHING 2)

Figure 16. Do Something 1 v Do Something 2 Flow Change – AM Peak

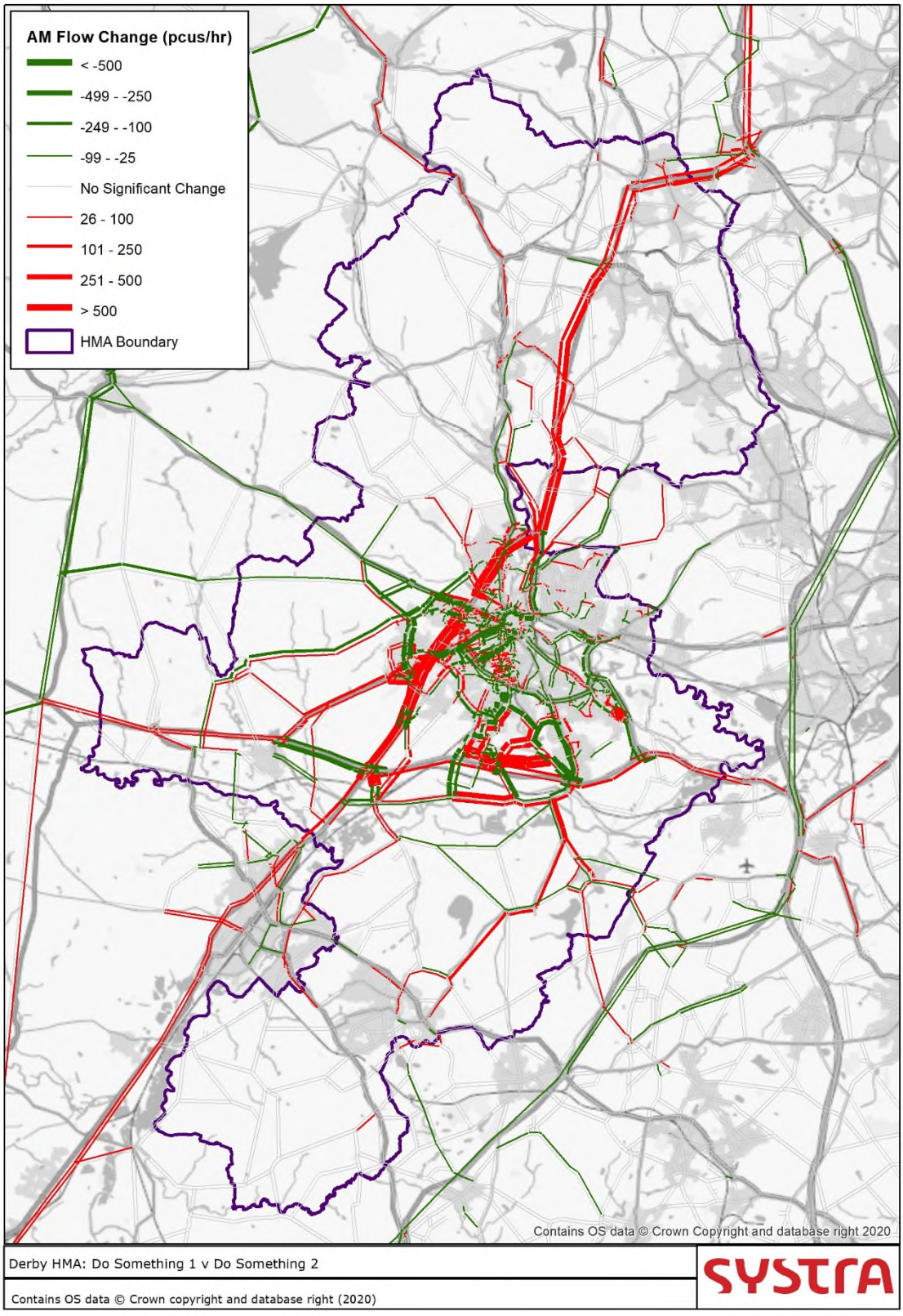


Figure 17. Do Something 1 v Do Something 2 Flow Change – PM Peak

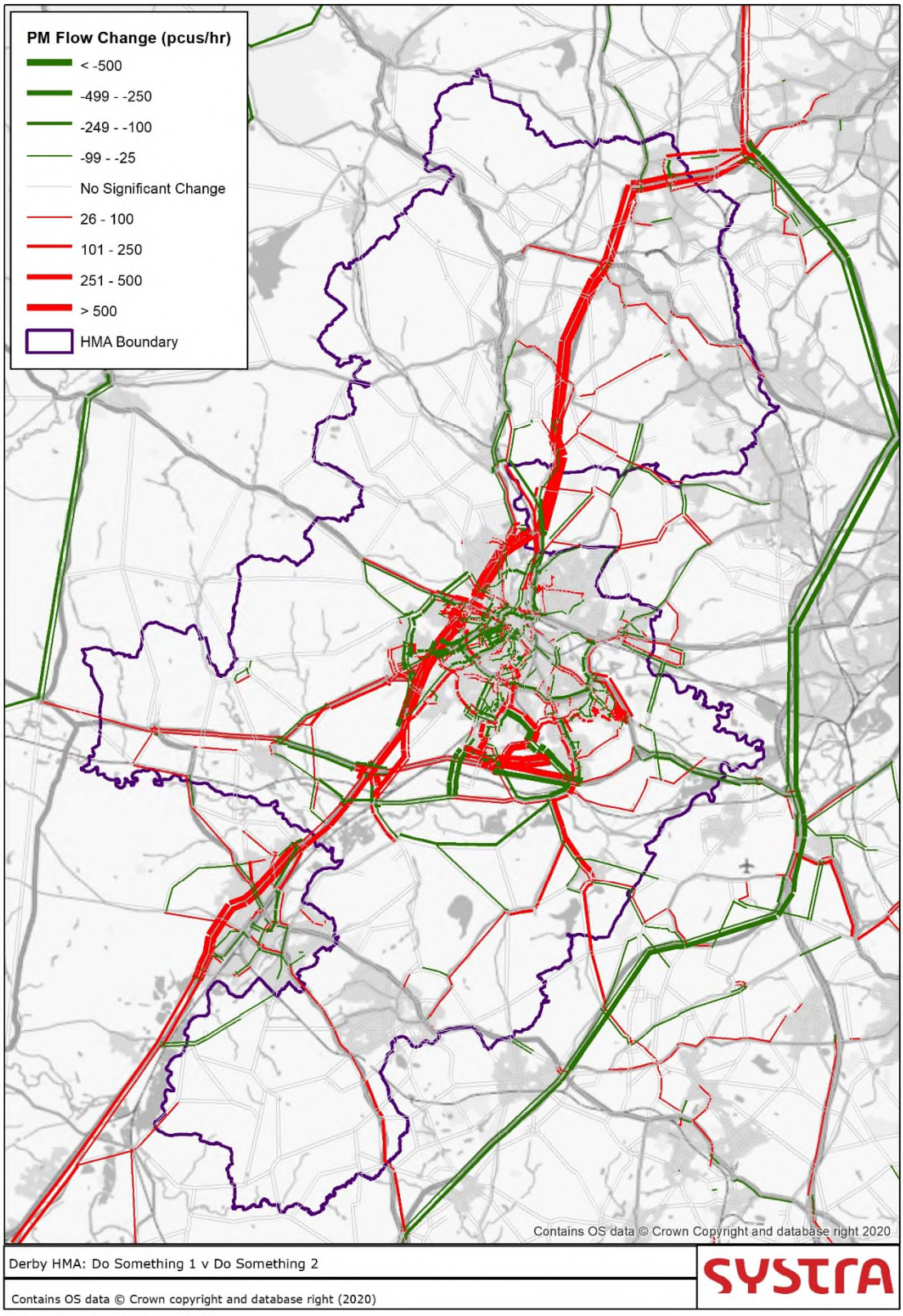
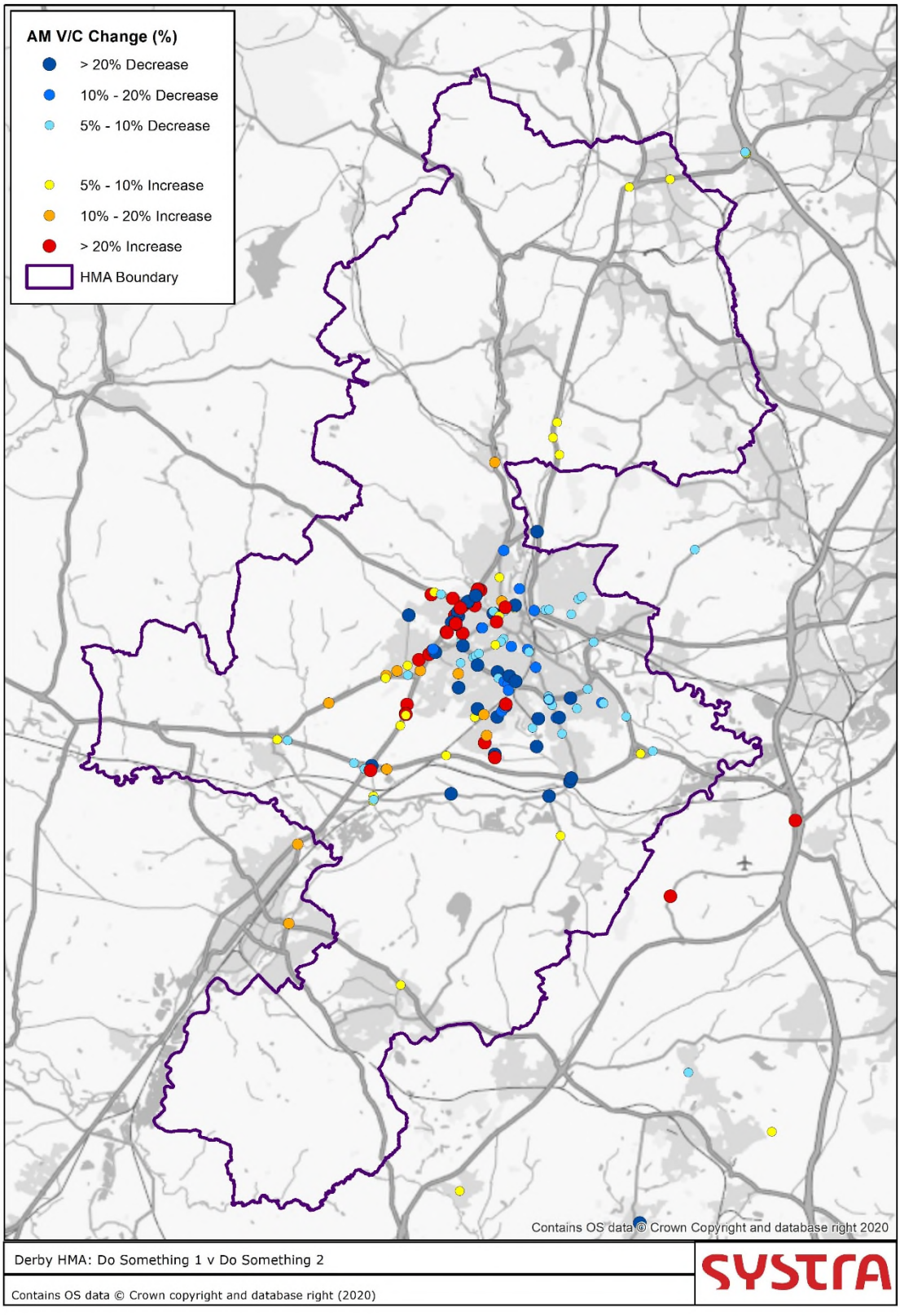


Figure 18. Do Something 1 v Do Something 2 Congestion Change – AM Peak



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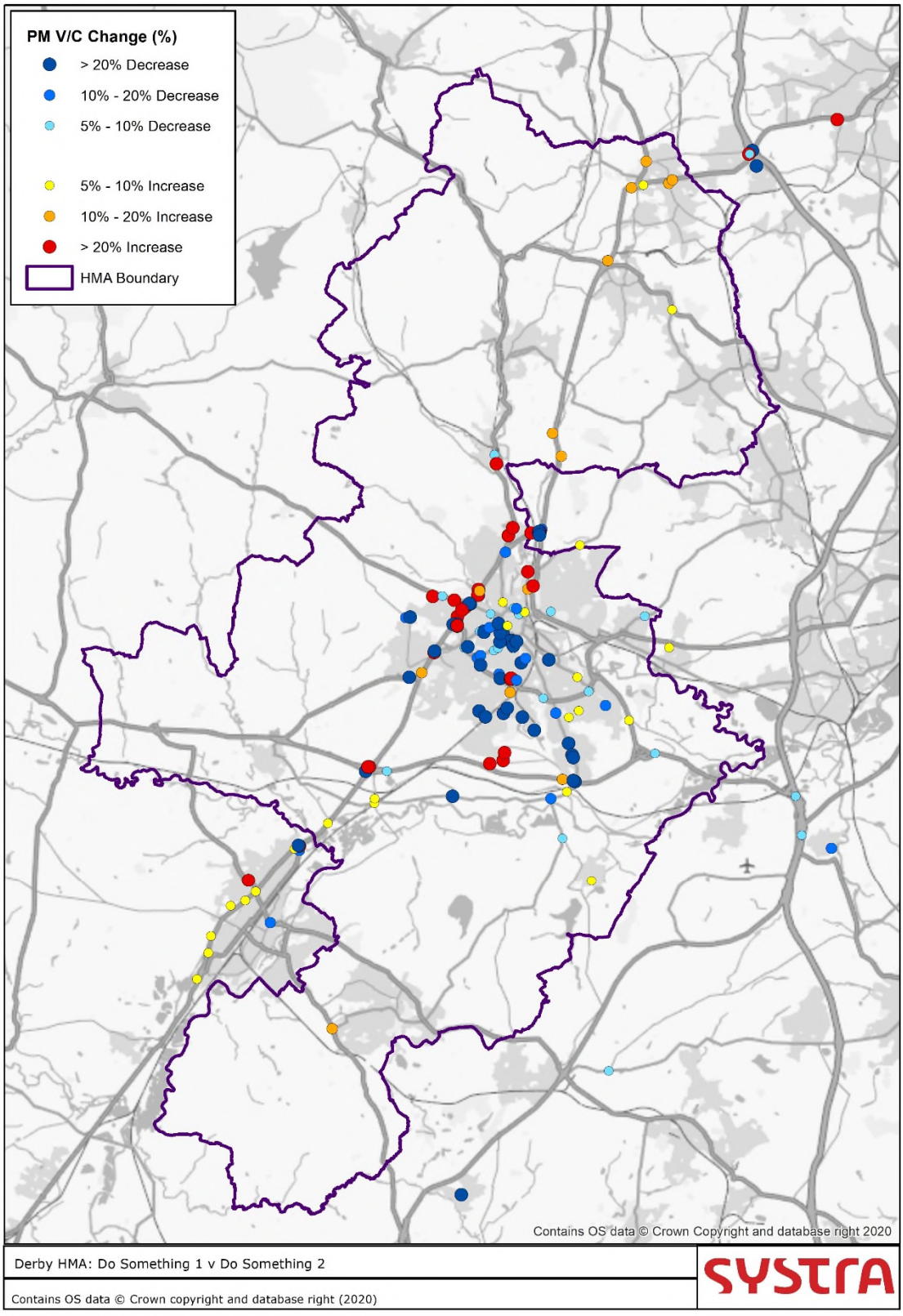


Figure 20. Do Minimum v Do Something 2 Flow Change – AM Peak

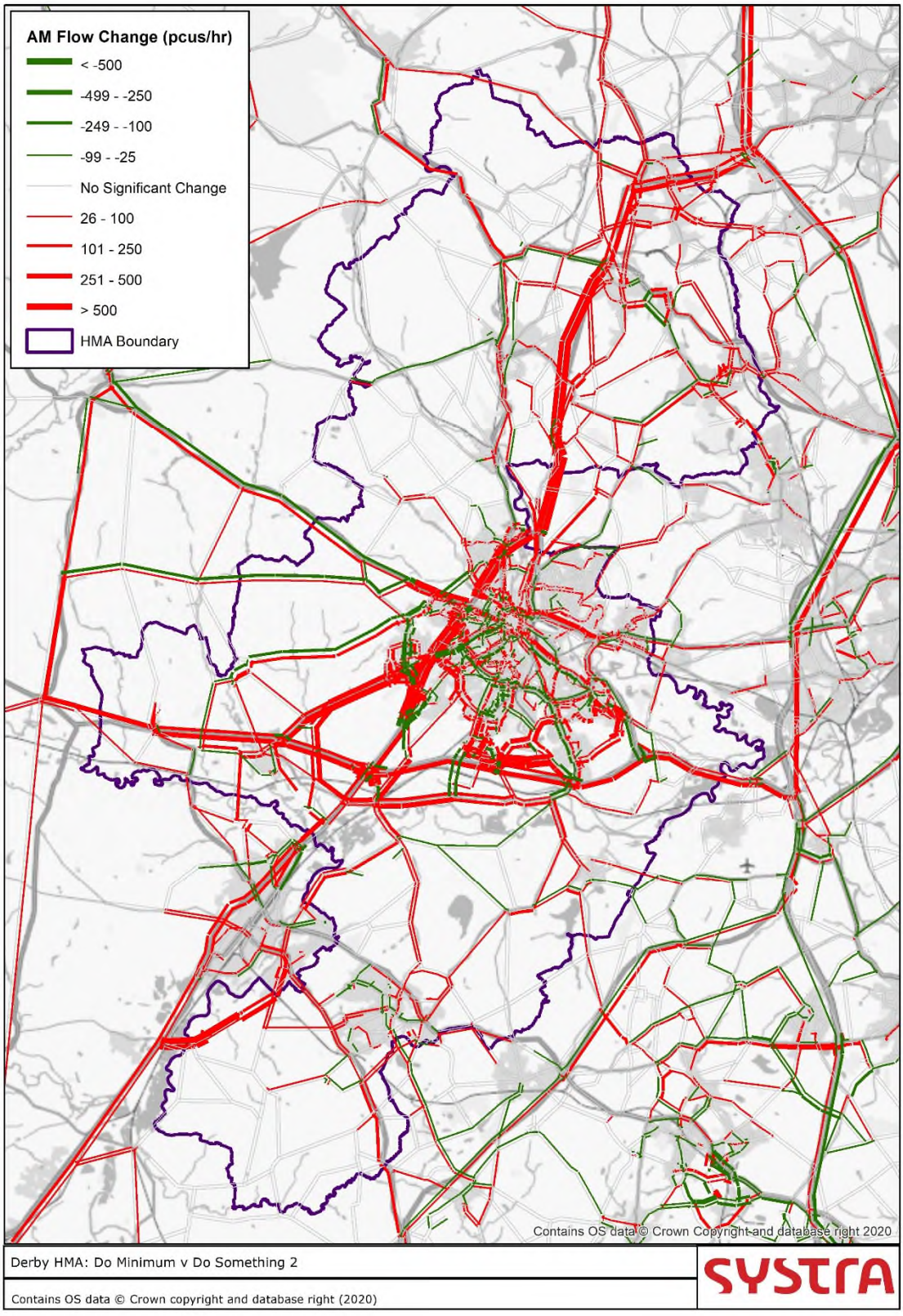


Figure 21. Do Minimum v Do Something 2 Flow Change – PM Peak

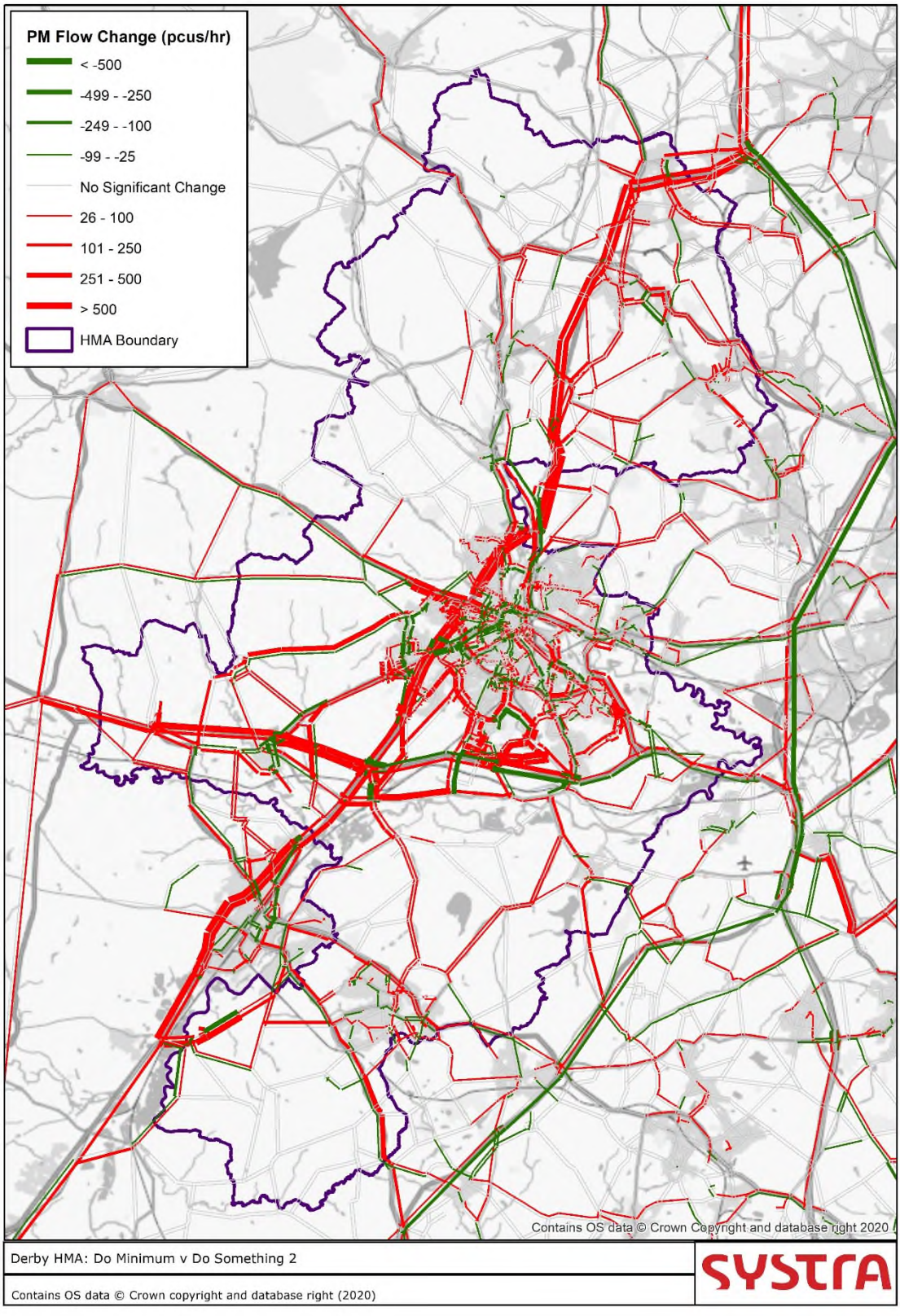


Figure 22. Do Minimum v Do Something 2 Congestion Change – AM Peak

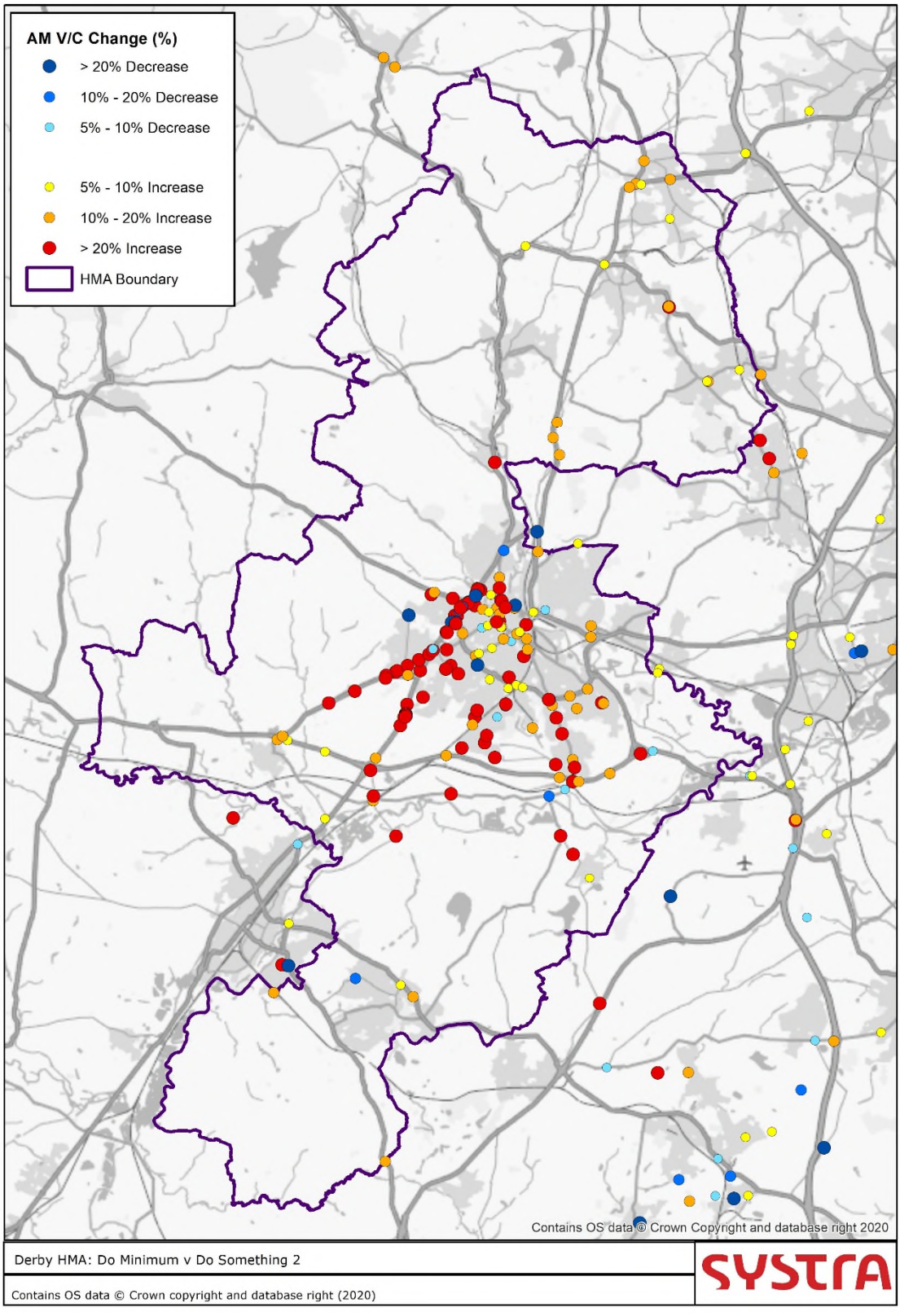


Figure 23. Do Minimum v Do Something 2 Congestion Change – PM Peak

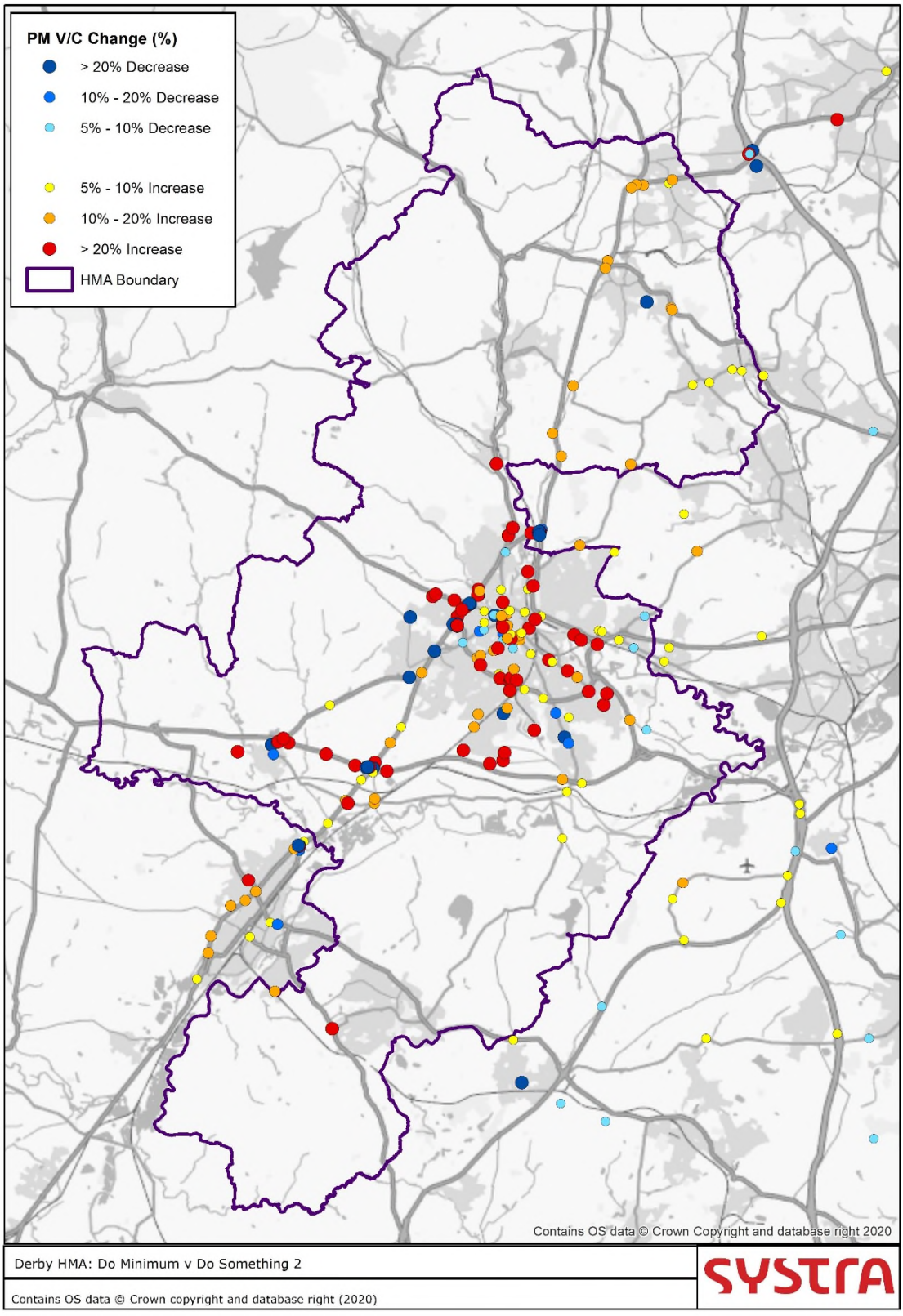


Figure 24. Do Something 2 Ultimate Congestion – AM Peak

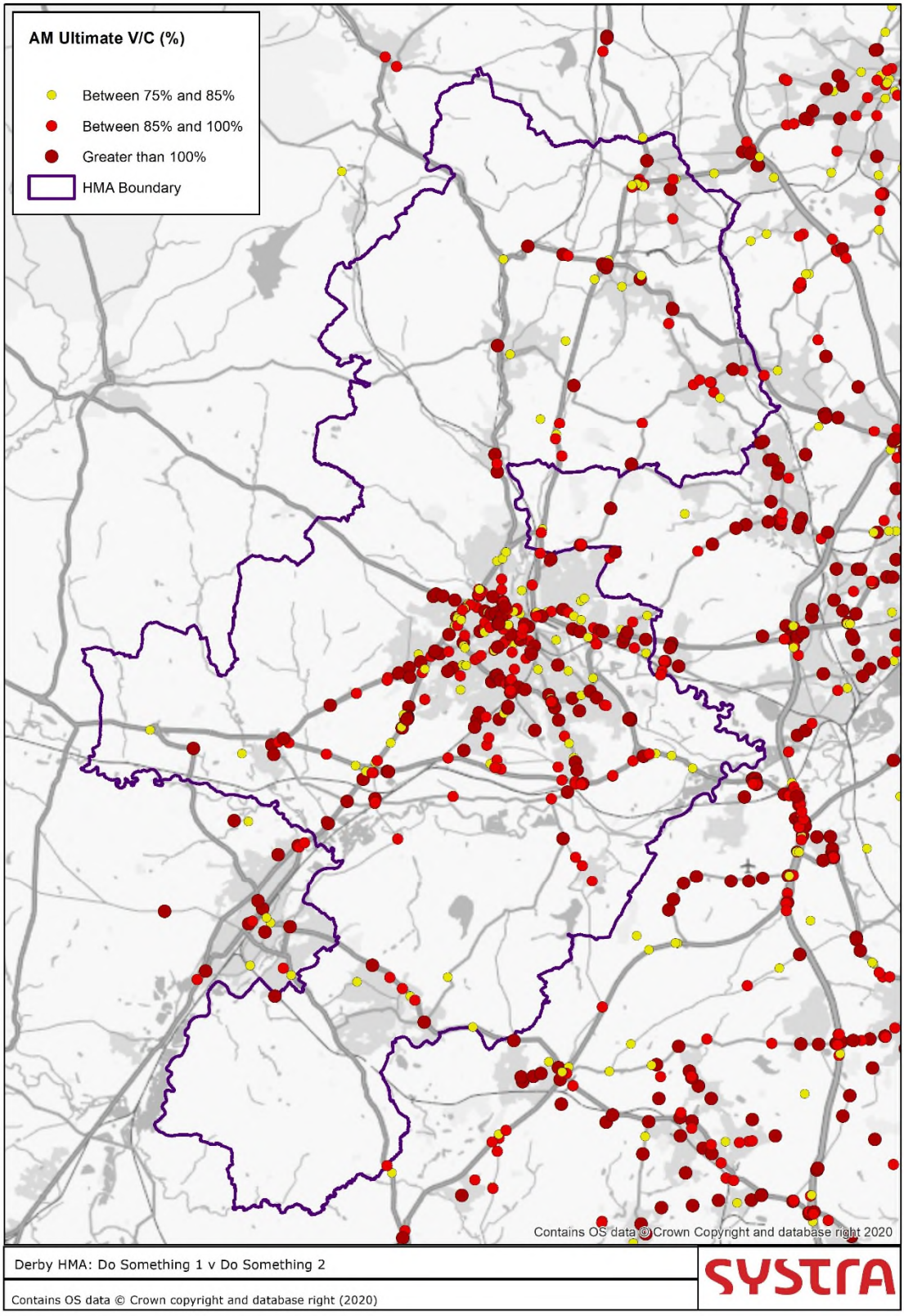
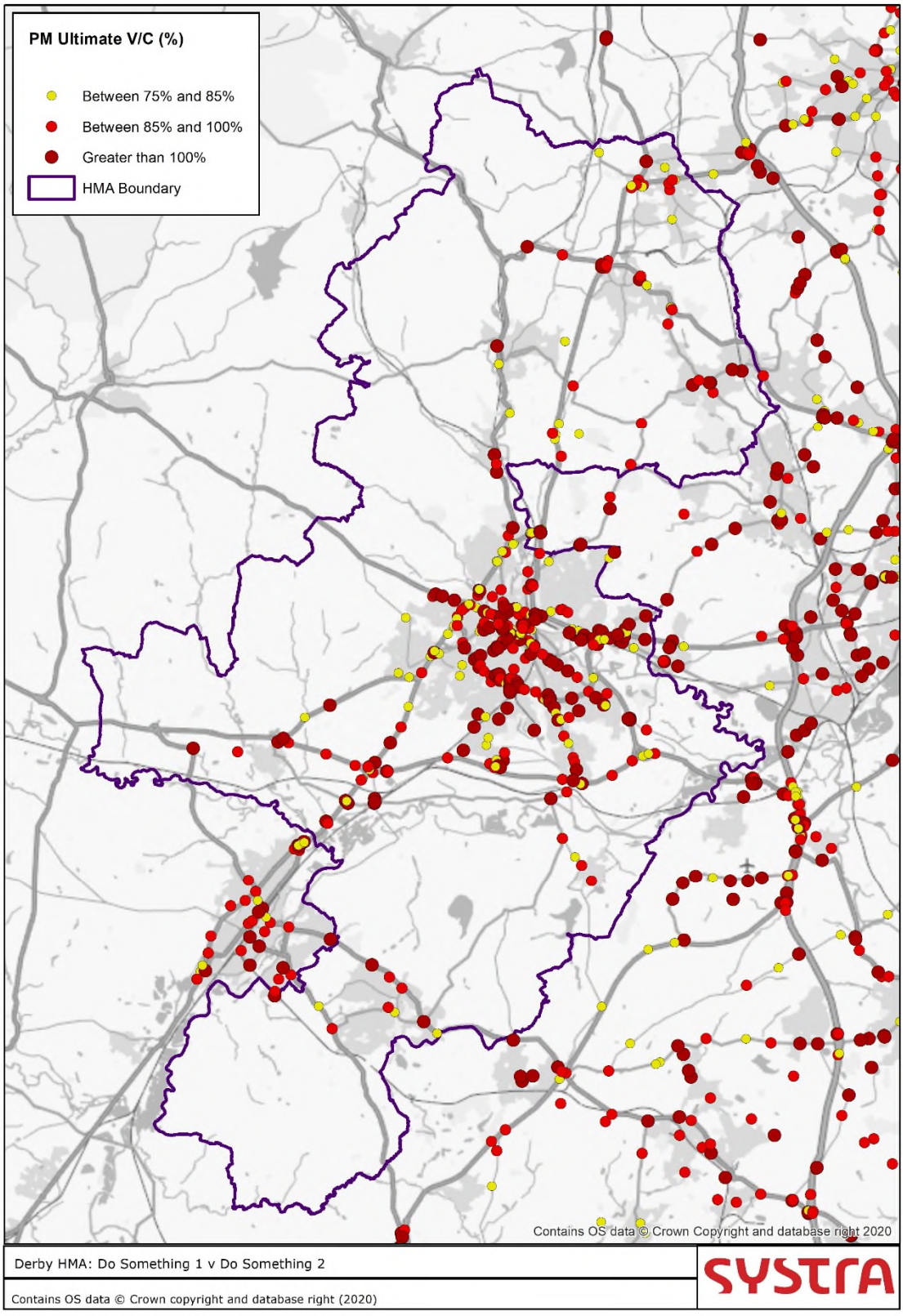


Figure 25. Do Something 2 Ultimate Congestion – PM Peak



6. LOCAL PLAN WITH ADDITIONAL MITIGATION (DO SOMETHING 3)

Figure 26. Do Something 2 v Do Something 3b Flow Change – AM Peak

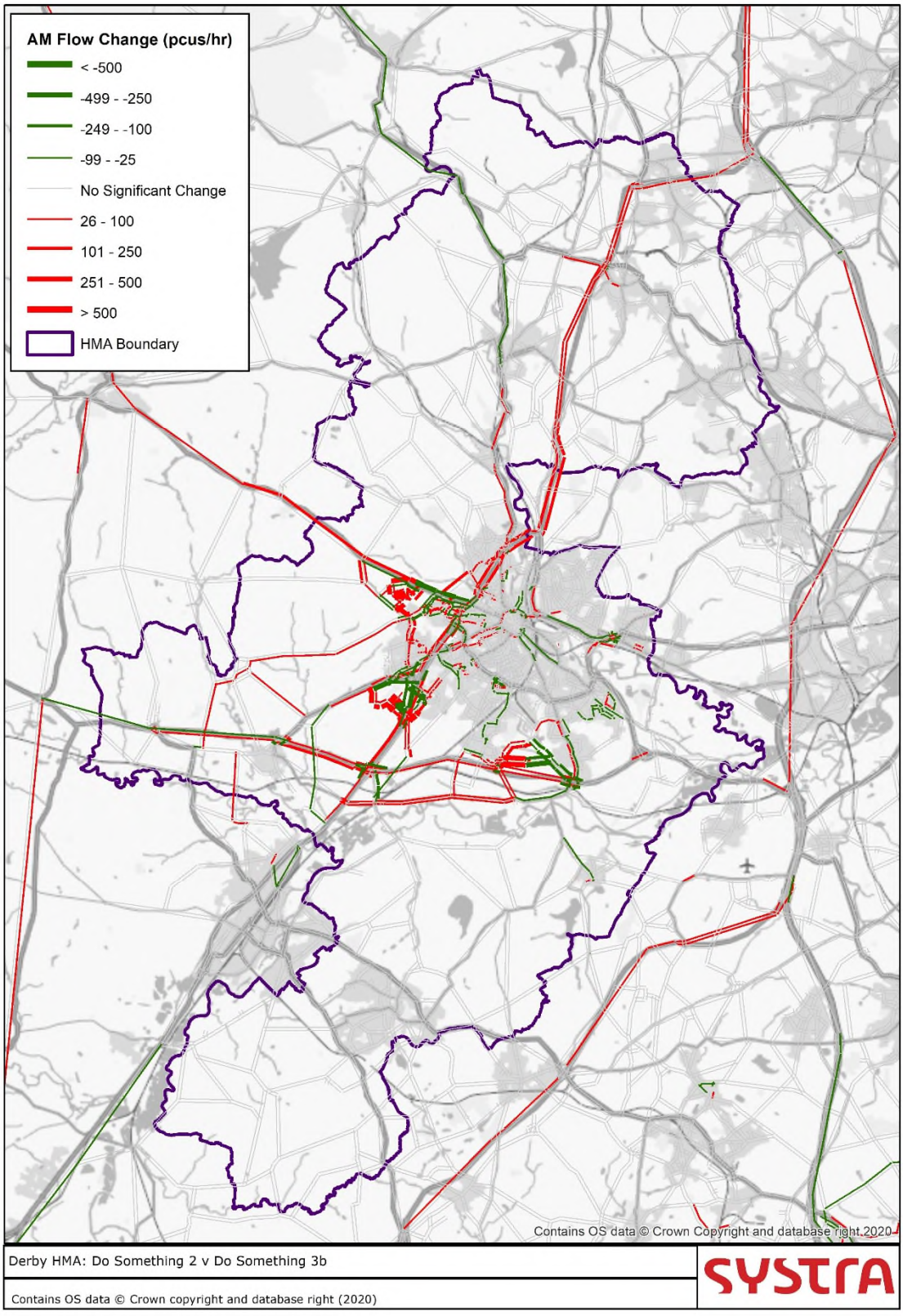


Figure 27. Do Something 2 v Do Something 3b Flow Change – PM Peak

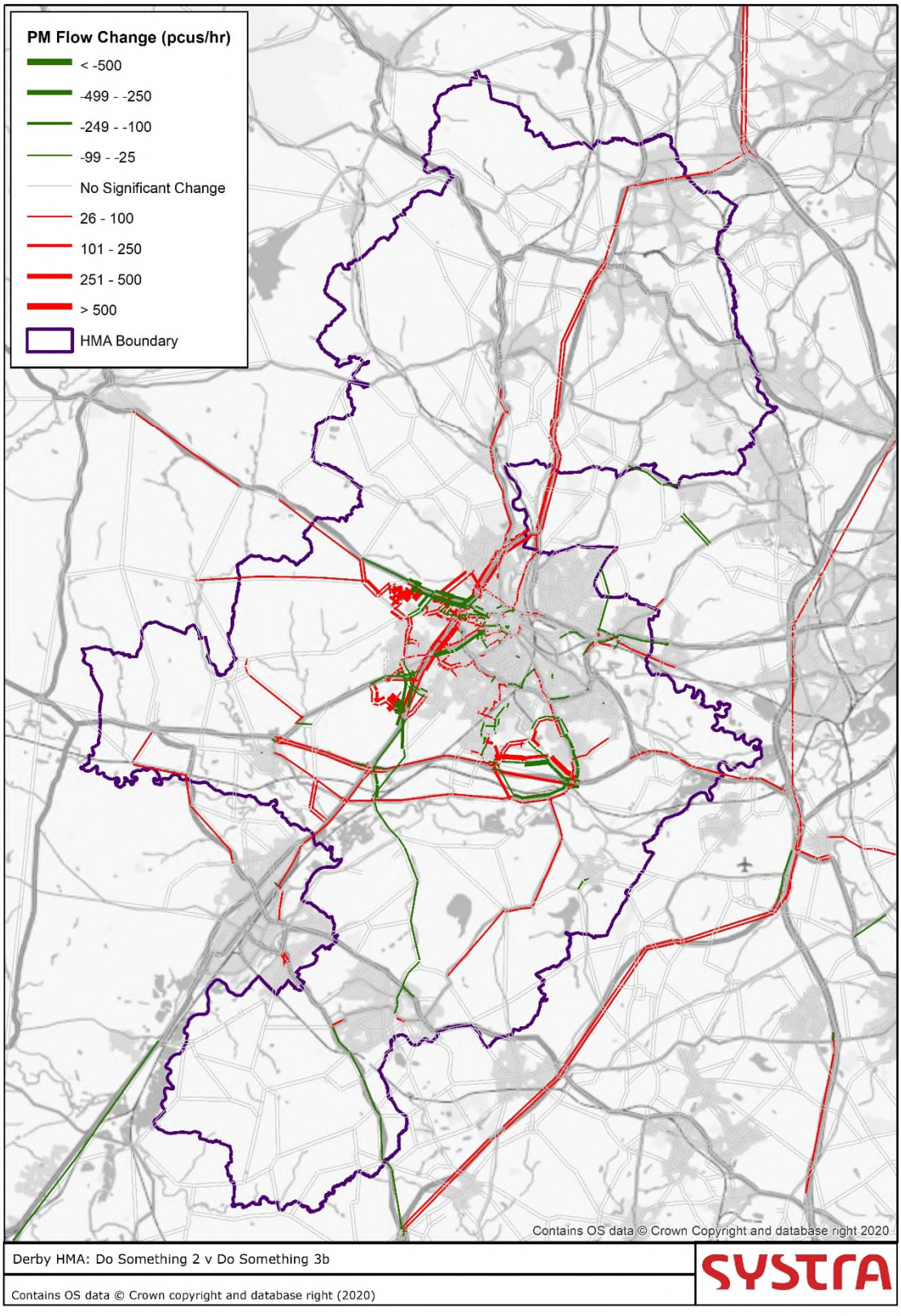


Figure 28. Do Something 2 v Do Something 3b Congestion Change – AM Peak

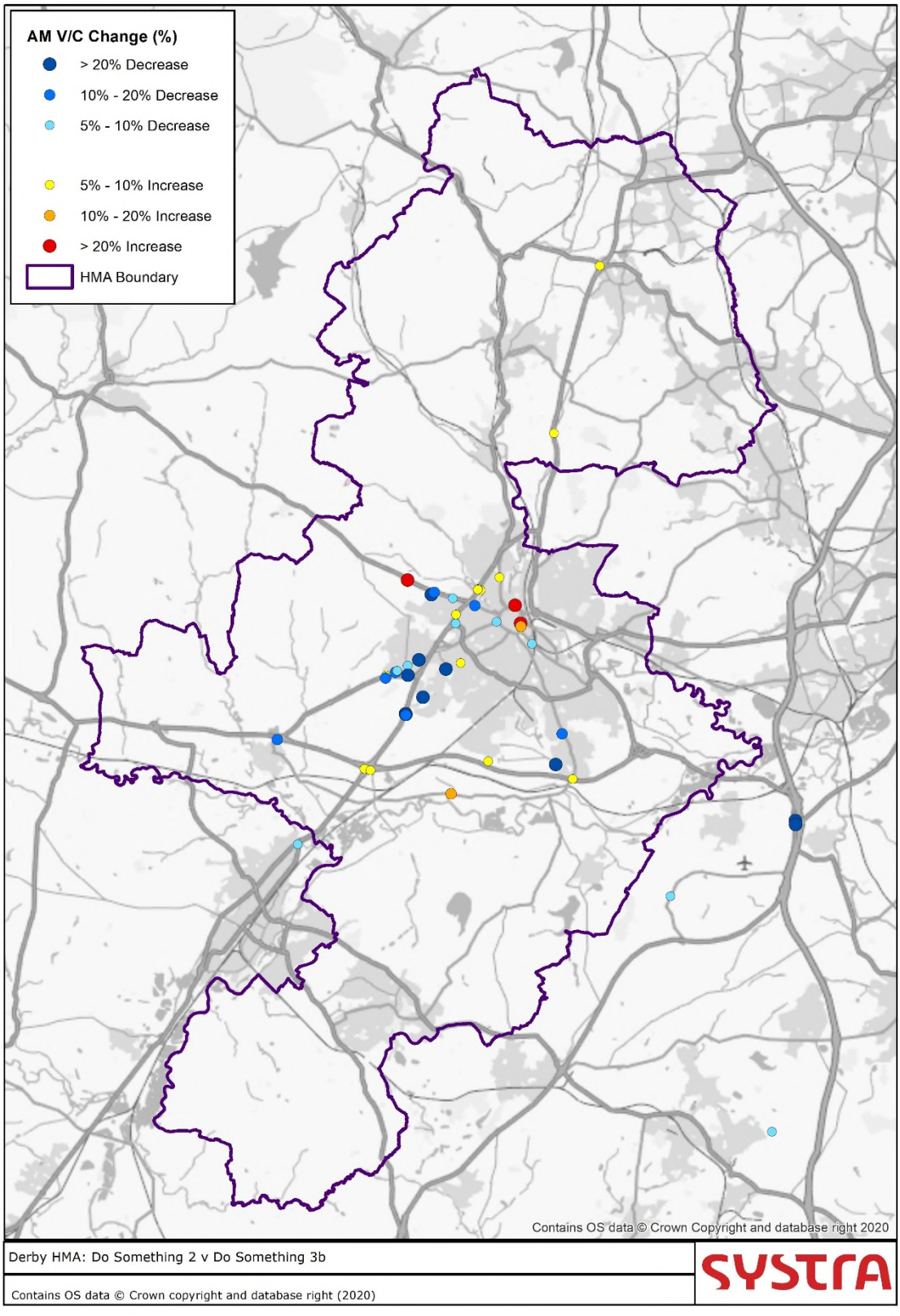


Figure 29. Do Something 2 v Do Something 3b Congestion Change – PM Peak

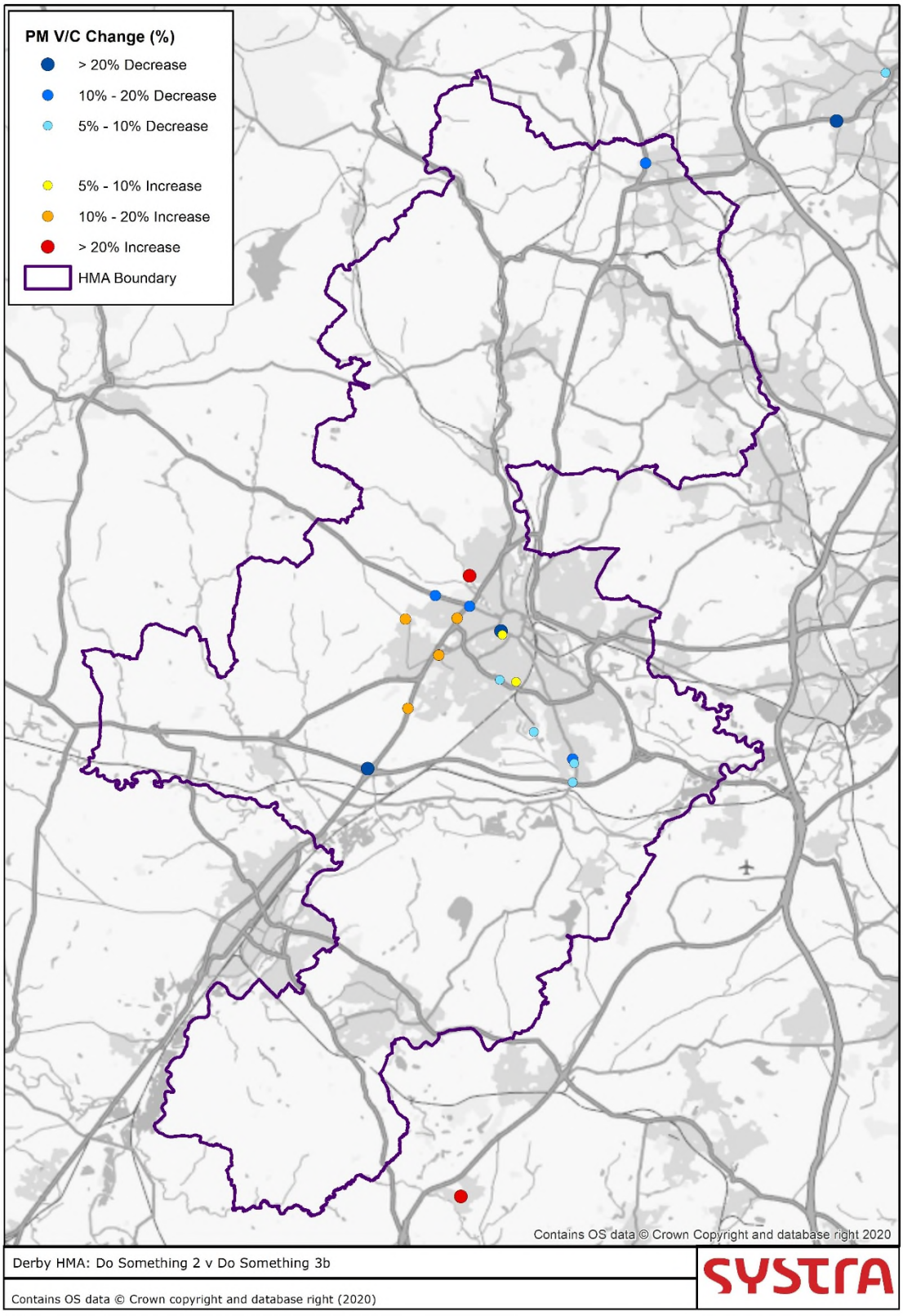


Figure 30. Do Minimum v Do Something 3b Flow Change – AM Peak

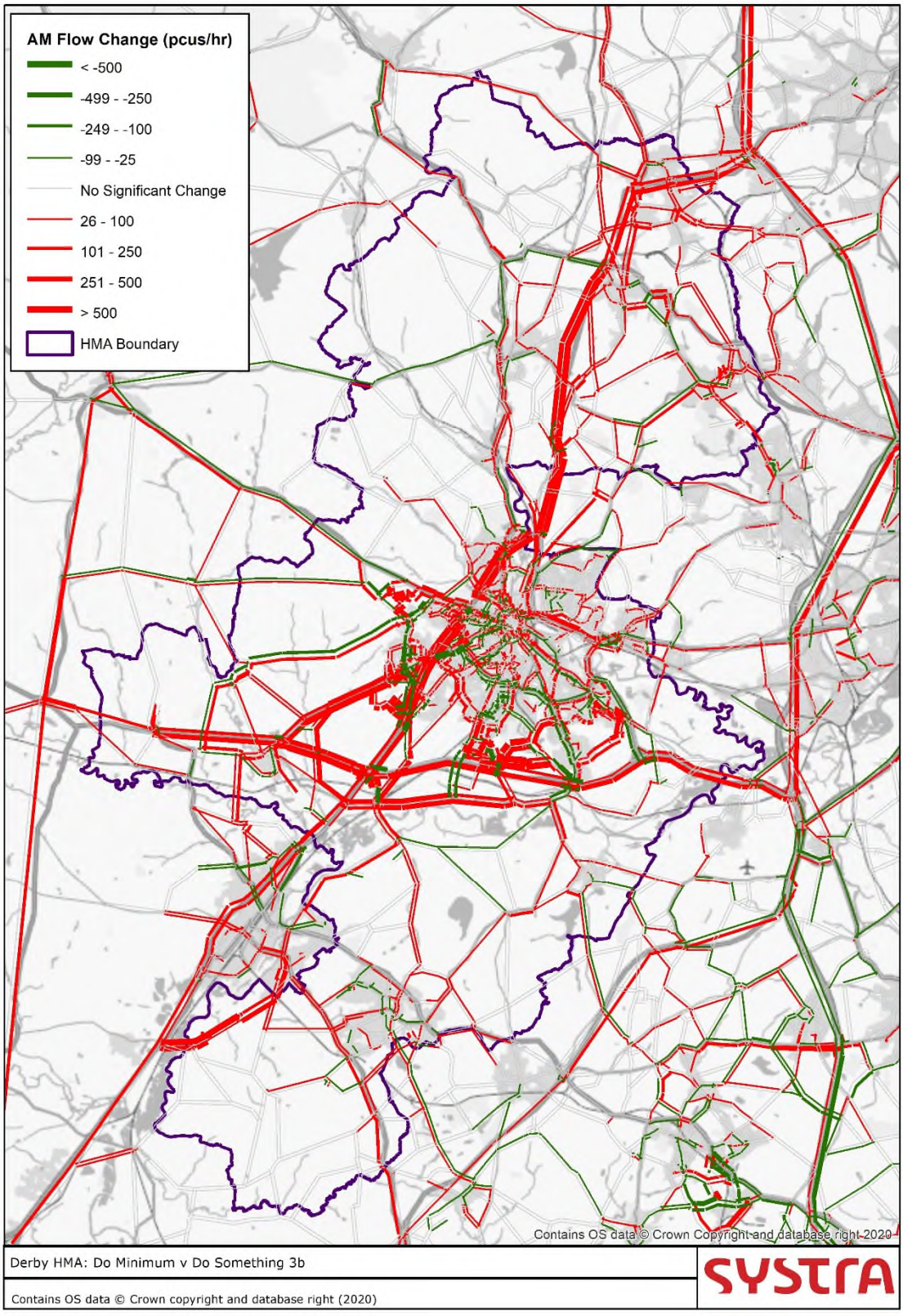


Figure 31. Do Minimum v Do Something 3b Flow Change – PM Peak

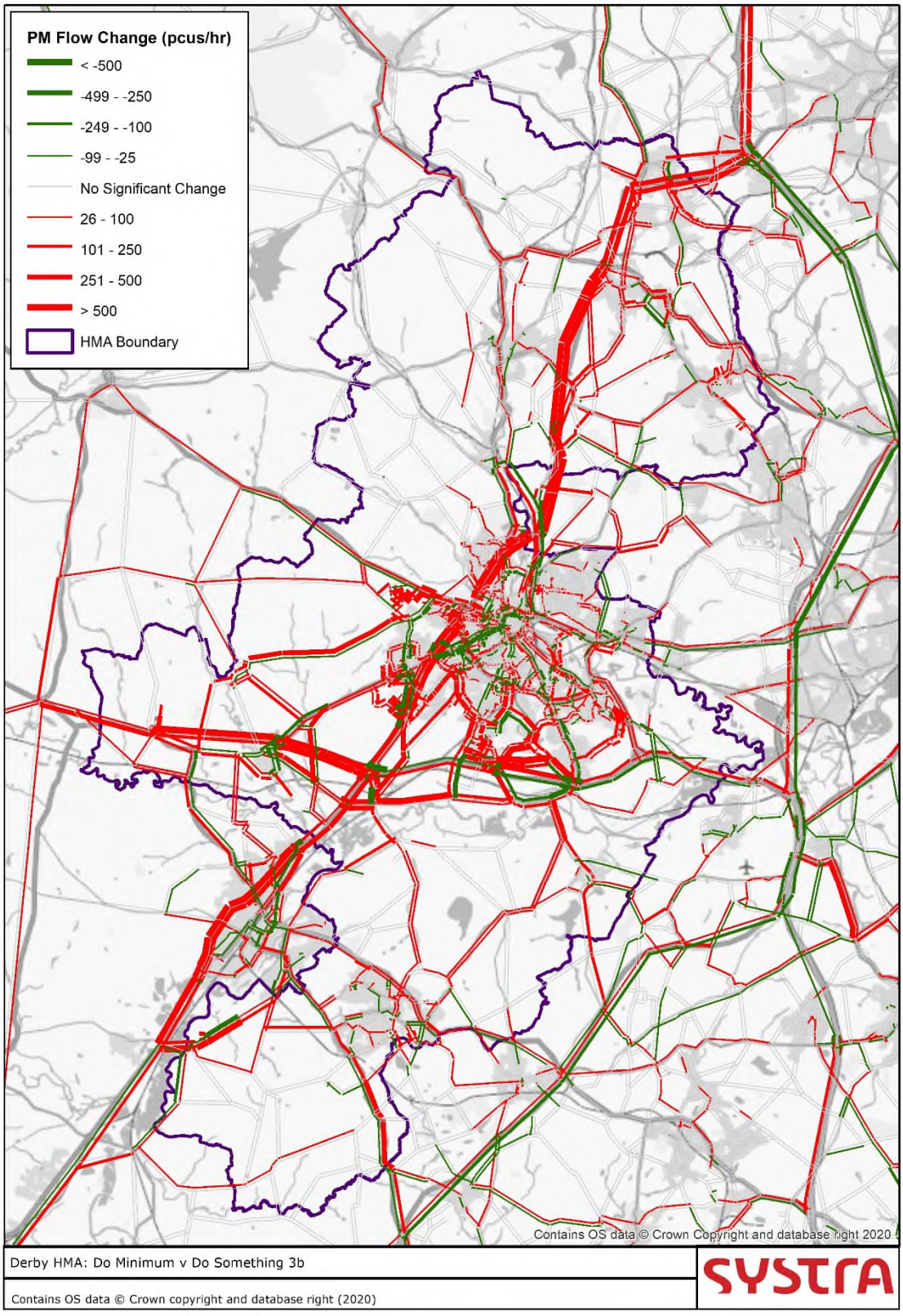


Figure 32. Do Minimum v Do Something 3b Congestion Change – AM Peak

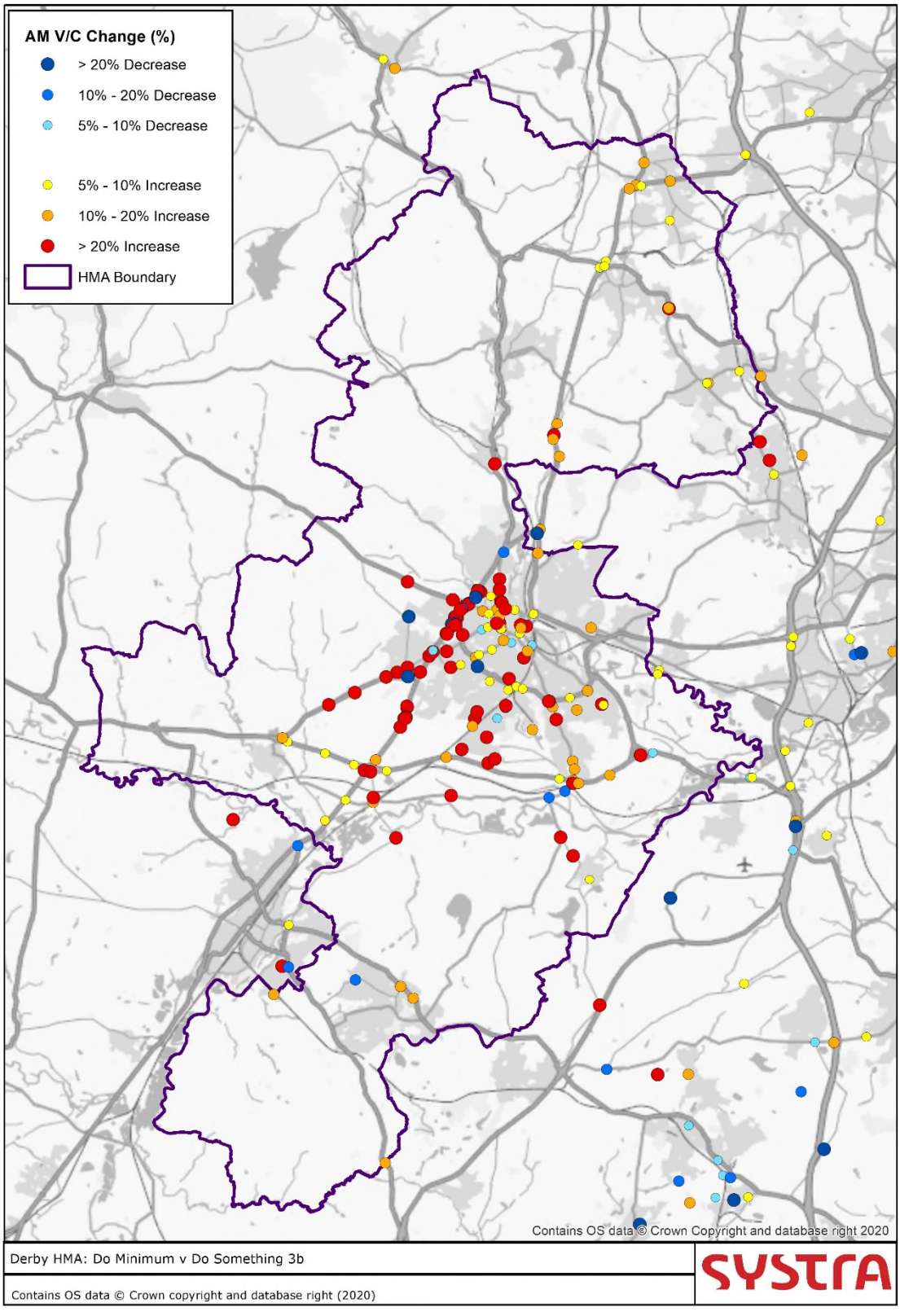
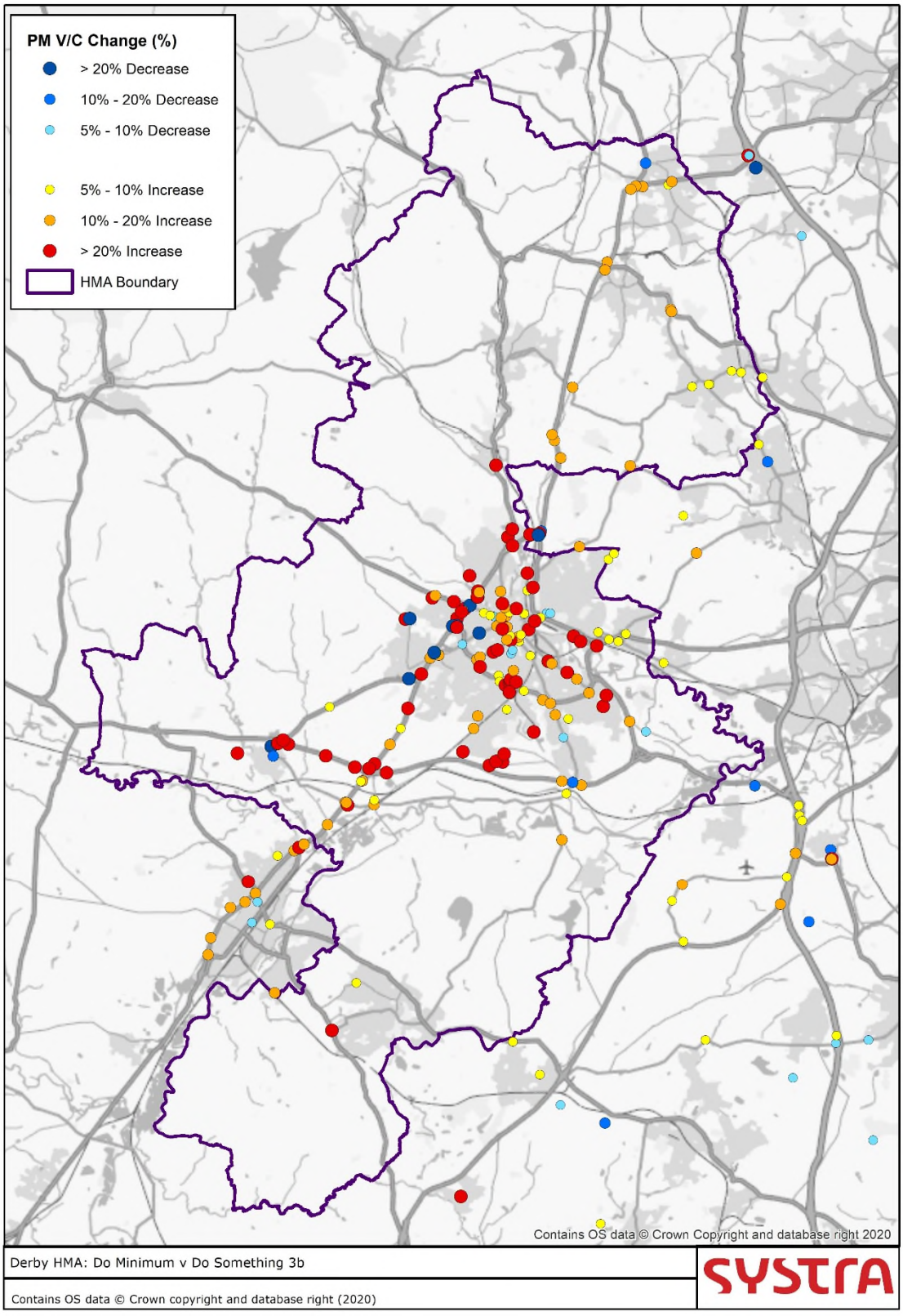


Figure 33. Do Minimum v Do Something 3b Congestion Change – PM Peak



7. NO A38 GRADE SEPARATION SENSITIVITY TEST (DO SOMETHING 4)

Figure 34. Do Something 3b v Do Something 4 Flow Change – AM Peak

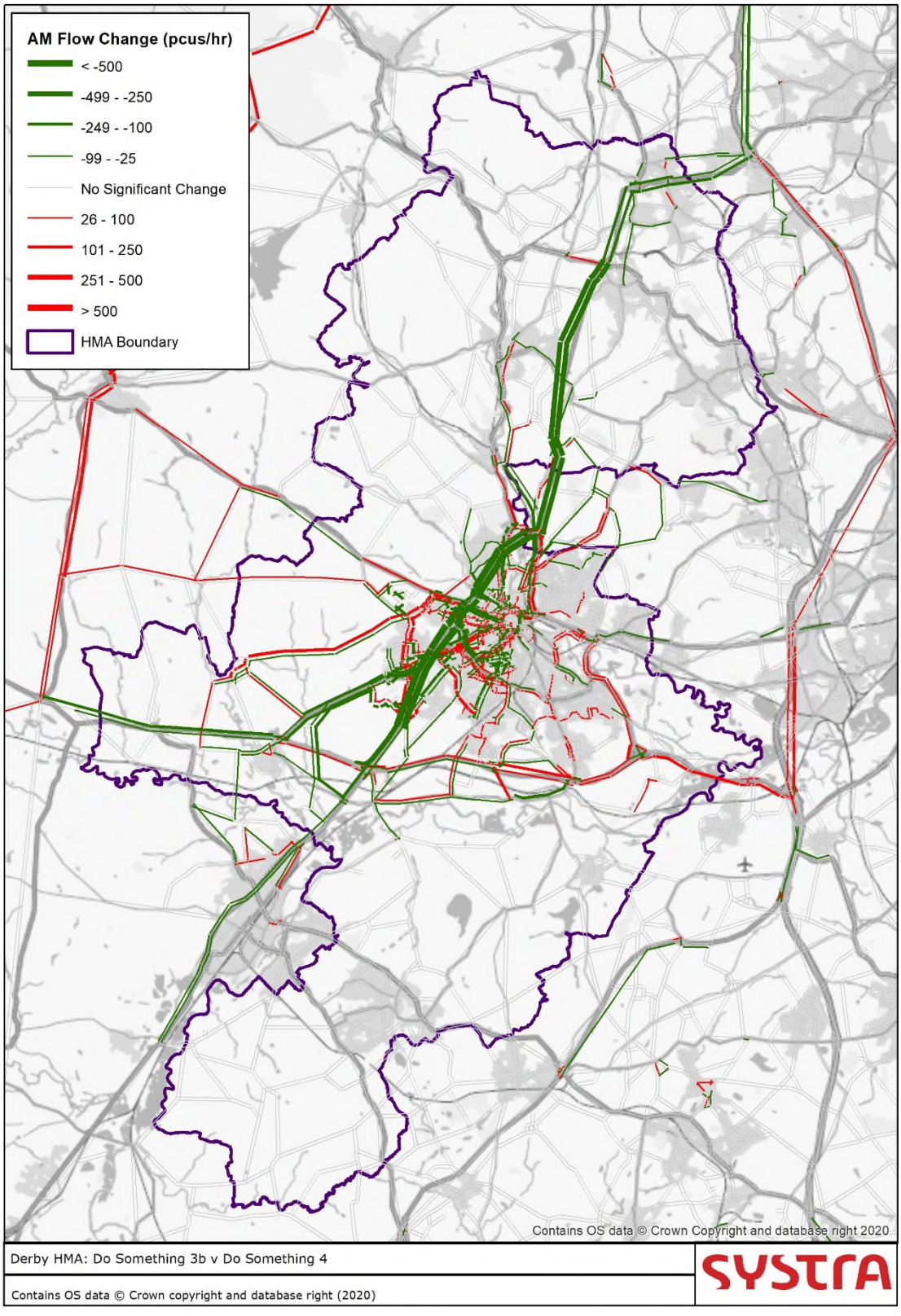


Figure 35. Do Something 3b v Do Something 4 Flow Change – PM Peak

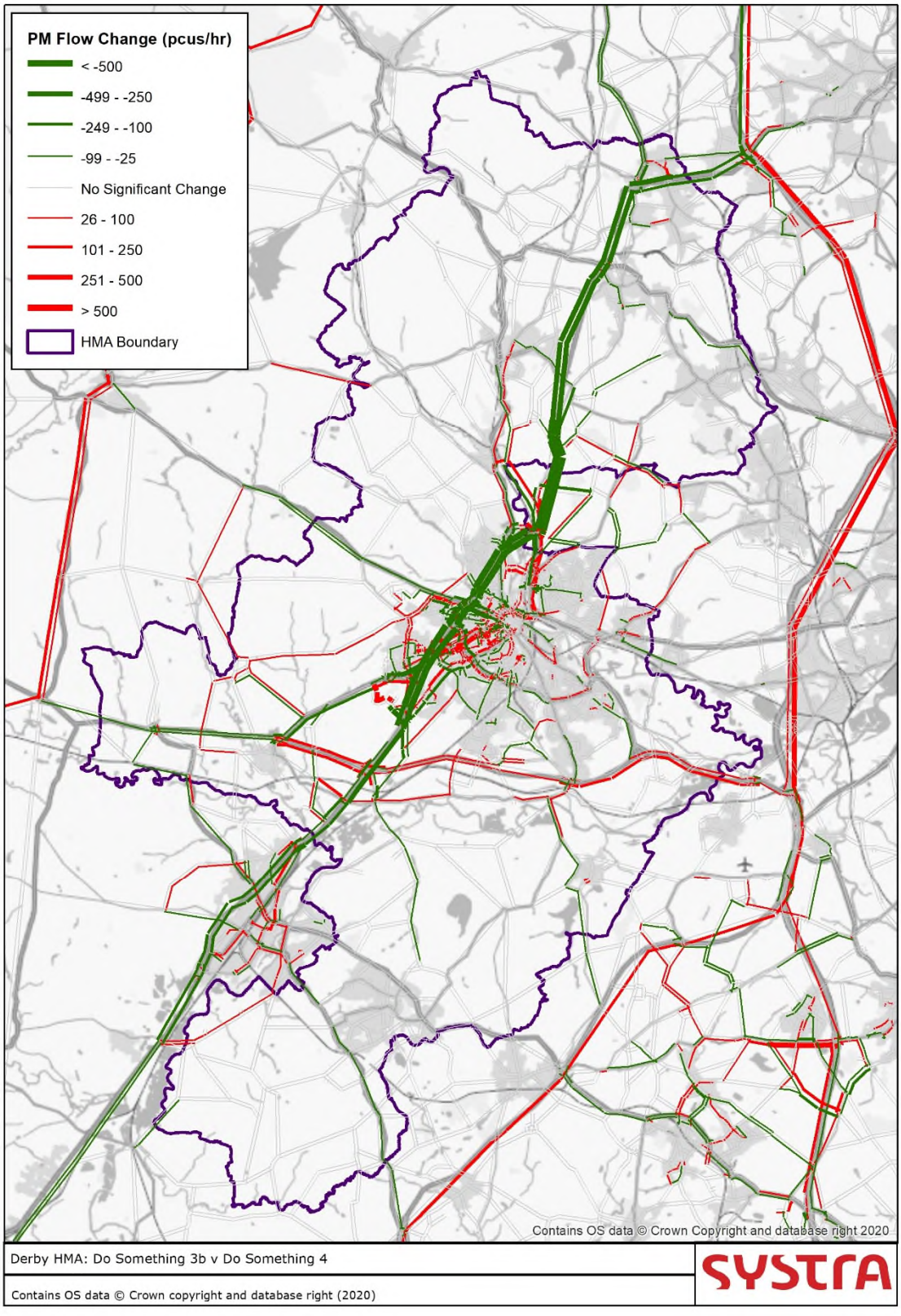


Figure 36. Do Something 3b v Do Something 4 Congestion Change – AM Peak

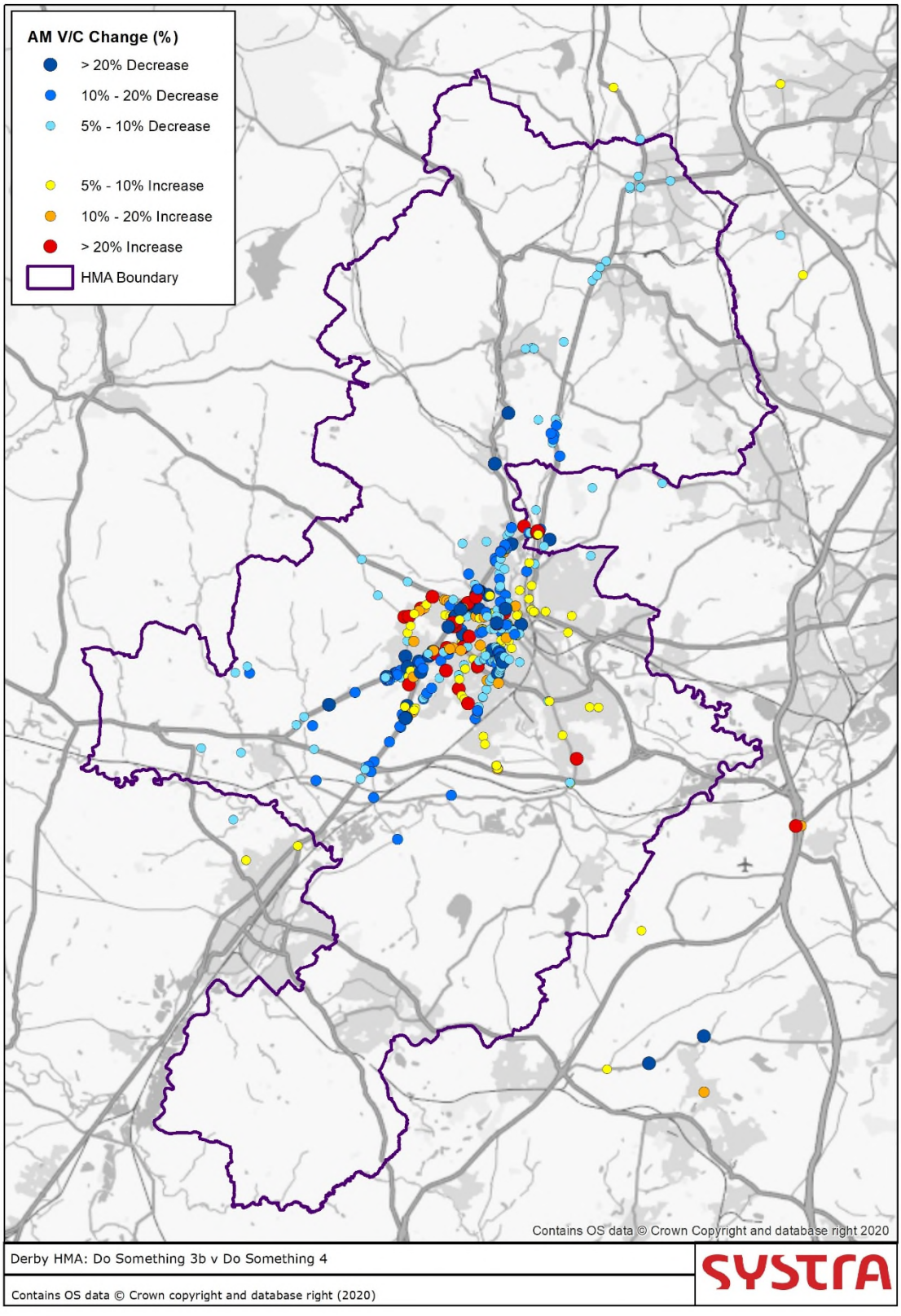


Figure 37. Do Something 3b v Do Something 4 Congestion Change – PM Peak

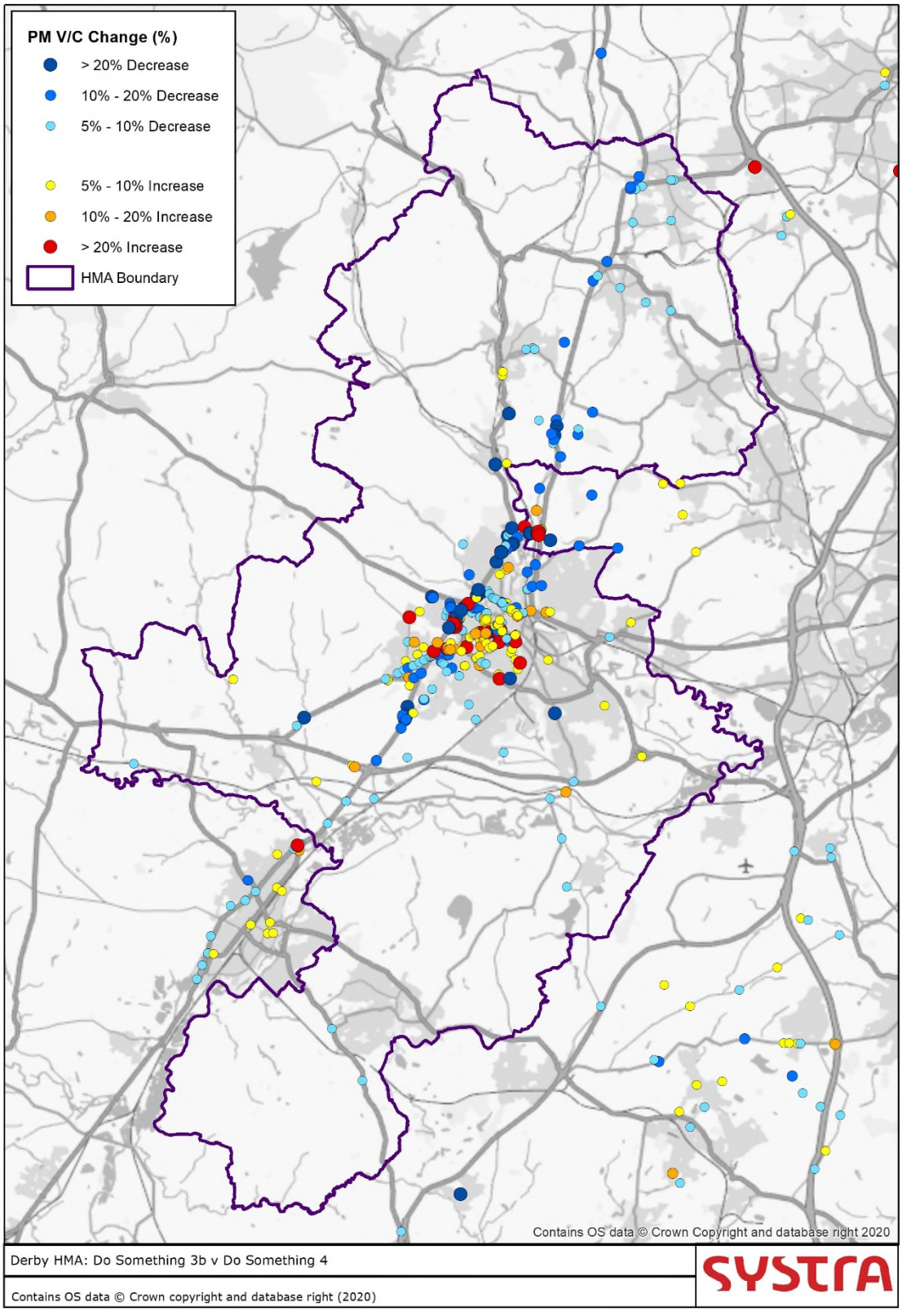


Figure 38. Do Minimum v Do Something 4 Flow Change – AM Peak

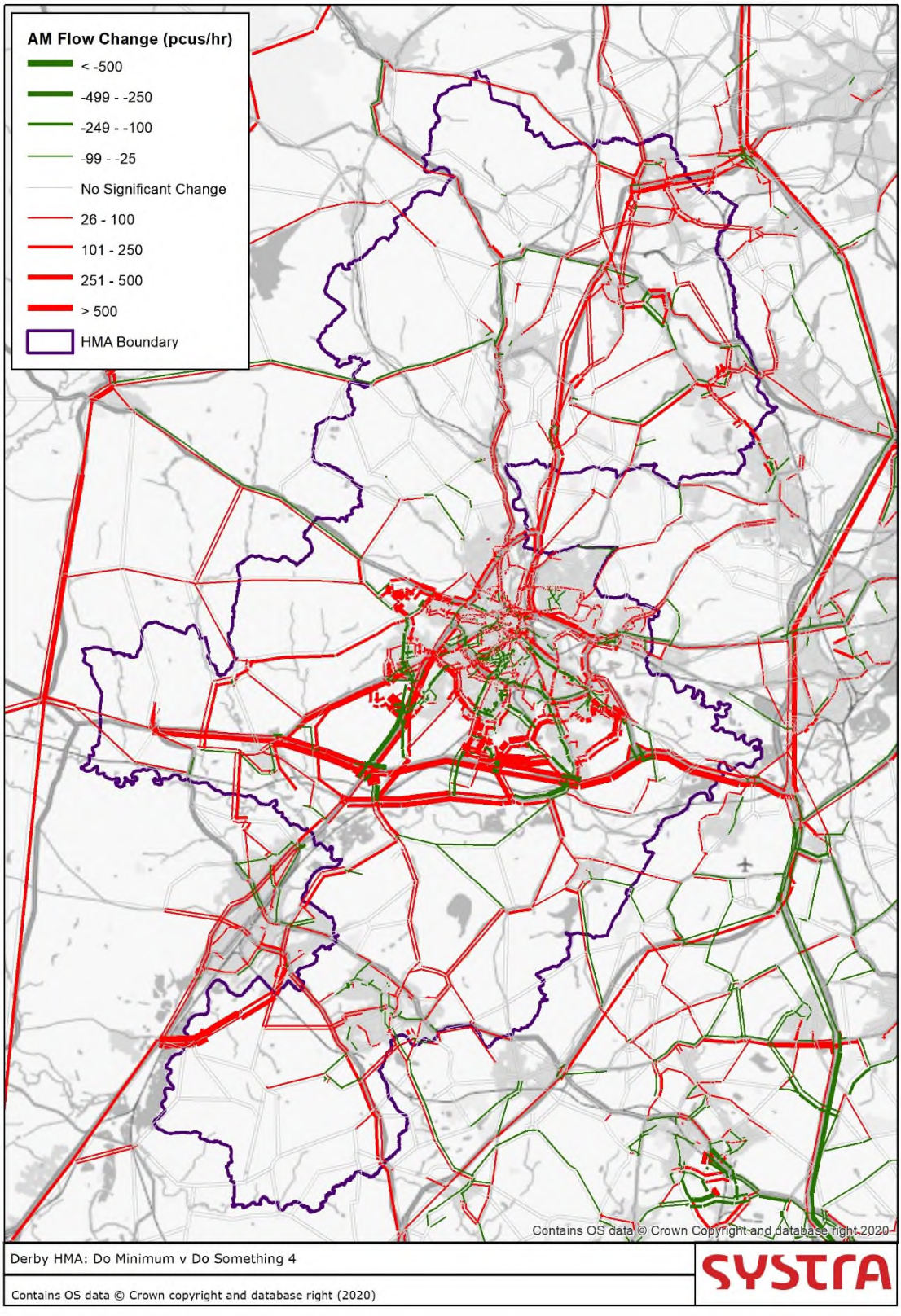


Figure 39. Do Minimum v Do Something 4 Flow Change – PM Peak

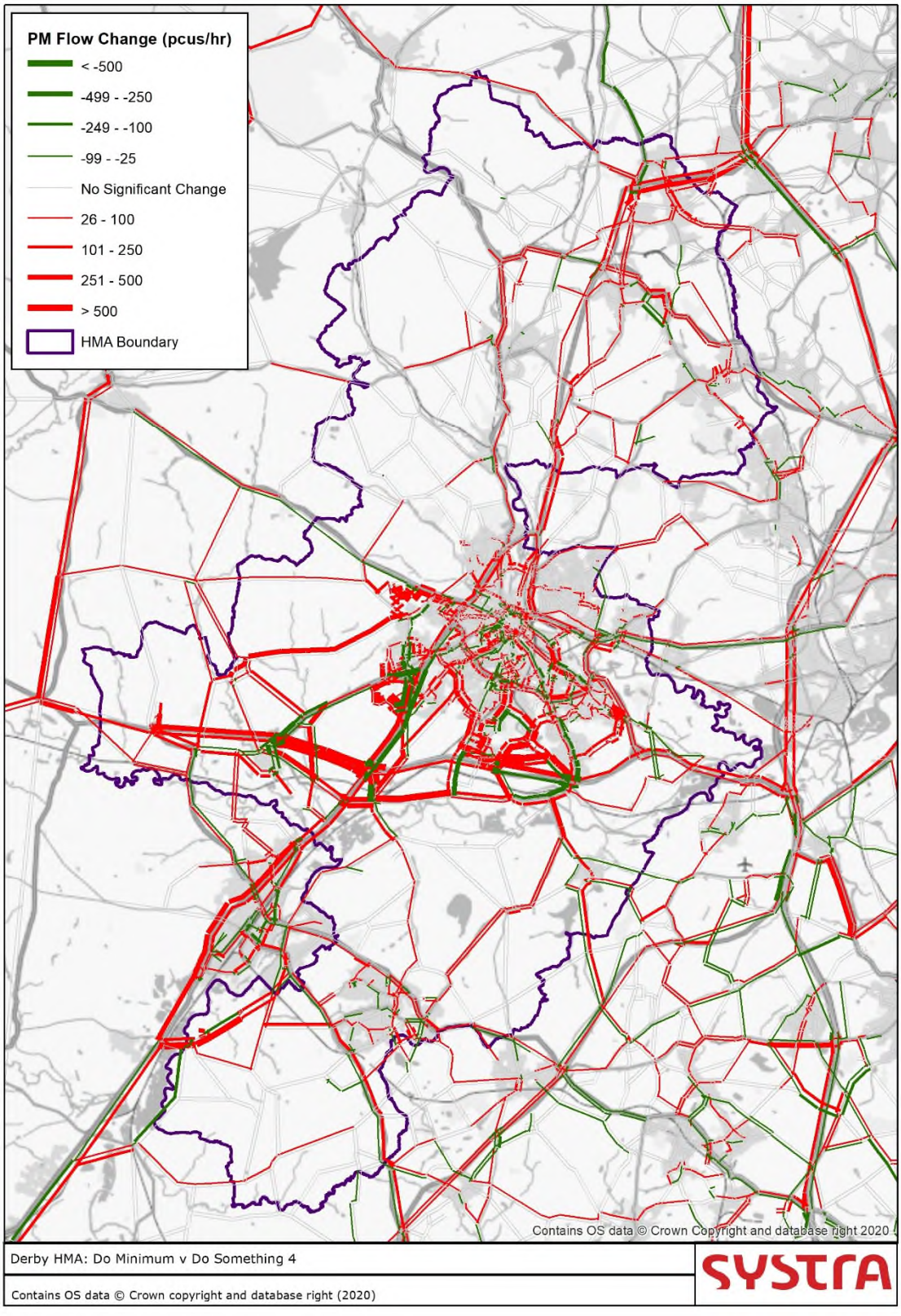


Figure 40. Do Minimum v Do Something 4 Congestion Change – AM Peak

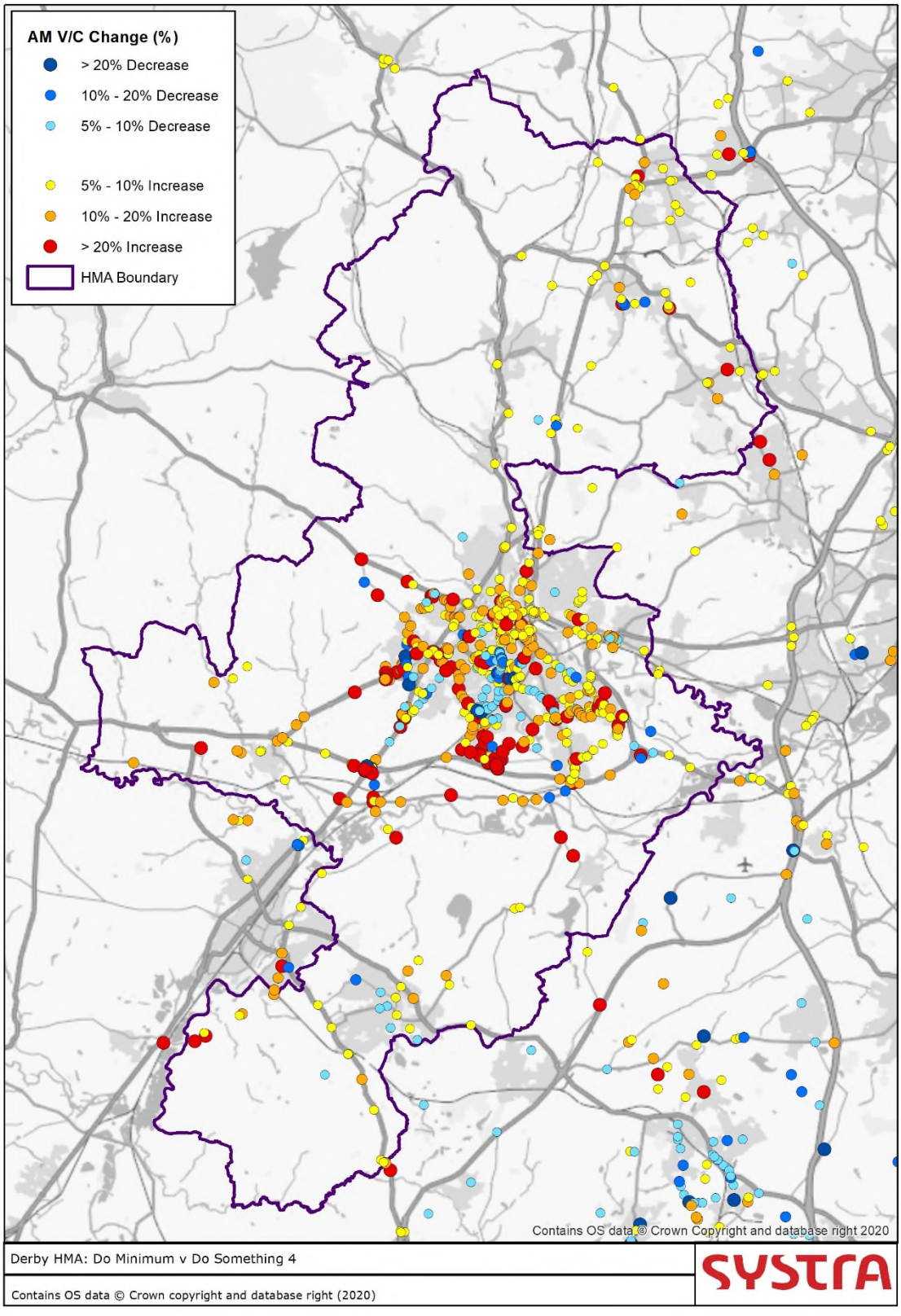
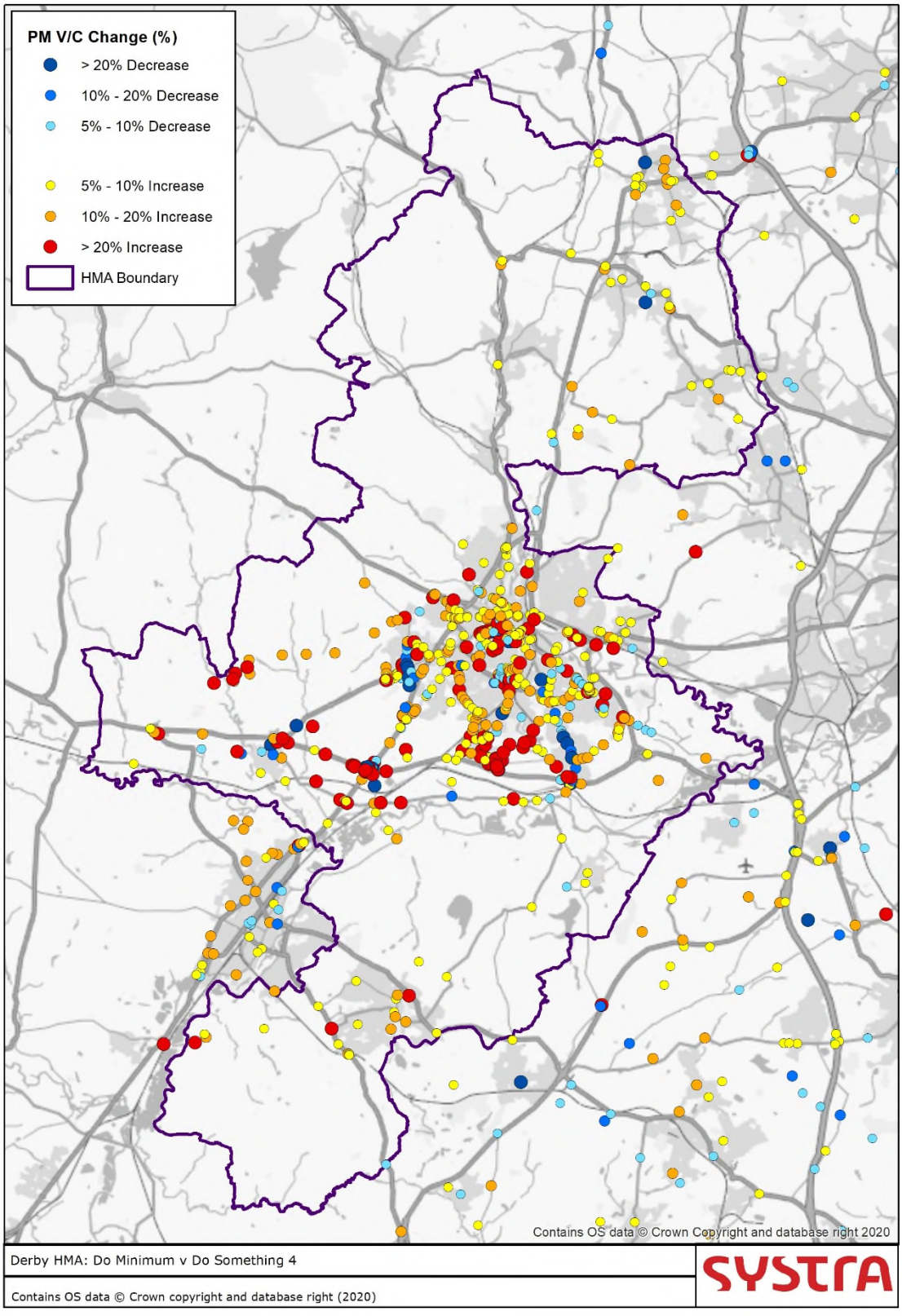


Figure 41. Do Minimum v Do Something 4 Congestion Change – PM Peak



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Other locations:

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