

Cambridge Waste Water Treatment Plant Relocation Project
Anglian Water Services Limited

Traffic Flow Diagrams

Application Document Reference: 5.4.19.5

PINS Project Reference: WW010003

APFP Regulation No. 5(2)a



**Anglian Water
Services Ltd**
Lancaster House
Lancaster Way
Ermine Business Park
Huntingdon
PE29 6XU

Tel 01480 323000
www.anglianwater.co.uk

Our ref: **Additional Submissions**

Your ref WW010003

The following documents have been updated:

- 5.4.19.4 Pedestrian Counts;
- 5.4.19.5 Traffic Flow Diagrams; and
- 5.4.19.6 Junction Capacity Reports.

As these documents are diagrammatic tracked versions cannot be provided therefore the Applicant has provided a description of the changes below.

As set out in the Applicant's responses to ExA Hearing Actions from ISH3 [REP4-087], a review of the Transport Assessment and ES Chapter 19: Traffic and Transport and associated transport modelling and analysis has been carried out. This review has highlighted a number of issues, including an error that resulted in an over-estimation of background traffic flows, leading to an over-assessment of the level of congestion on affected junctions/road network. These issues have been addressed and the traffic flows and modelling updated accordingly. In addition, the operational traffic flows and traffic modelling have been amended to align with the revised parking provisions, updated for Deadline 4, which assume that all staff, visitor and operational car parking spaces are occupied in the peak hour as a reasonable worst case. As a result of these changes, 5.4.19.5 Traffic flow diagrams has been updated to reflect the revised traffic flows and 5.4.19.6 Junction capacity reports has been updated to reflect the revised junction modelling results.

5.4.19.4 Pedestrian Counts had incorrectly included data, this has now been updated to the pedestrian survey data.

5.4.19.4, 5.4.19.5 and 5.4.19.6 should be read in conjunction with 5.4.19.3 Transport Assessment Parts 1 to 3 provided at Deadline 5 [REP5-071 to 076].

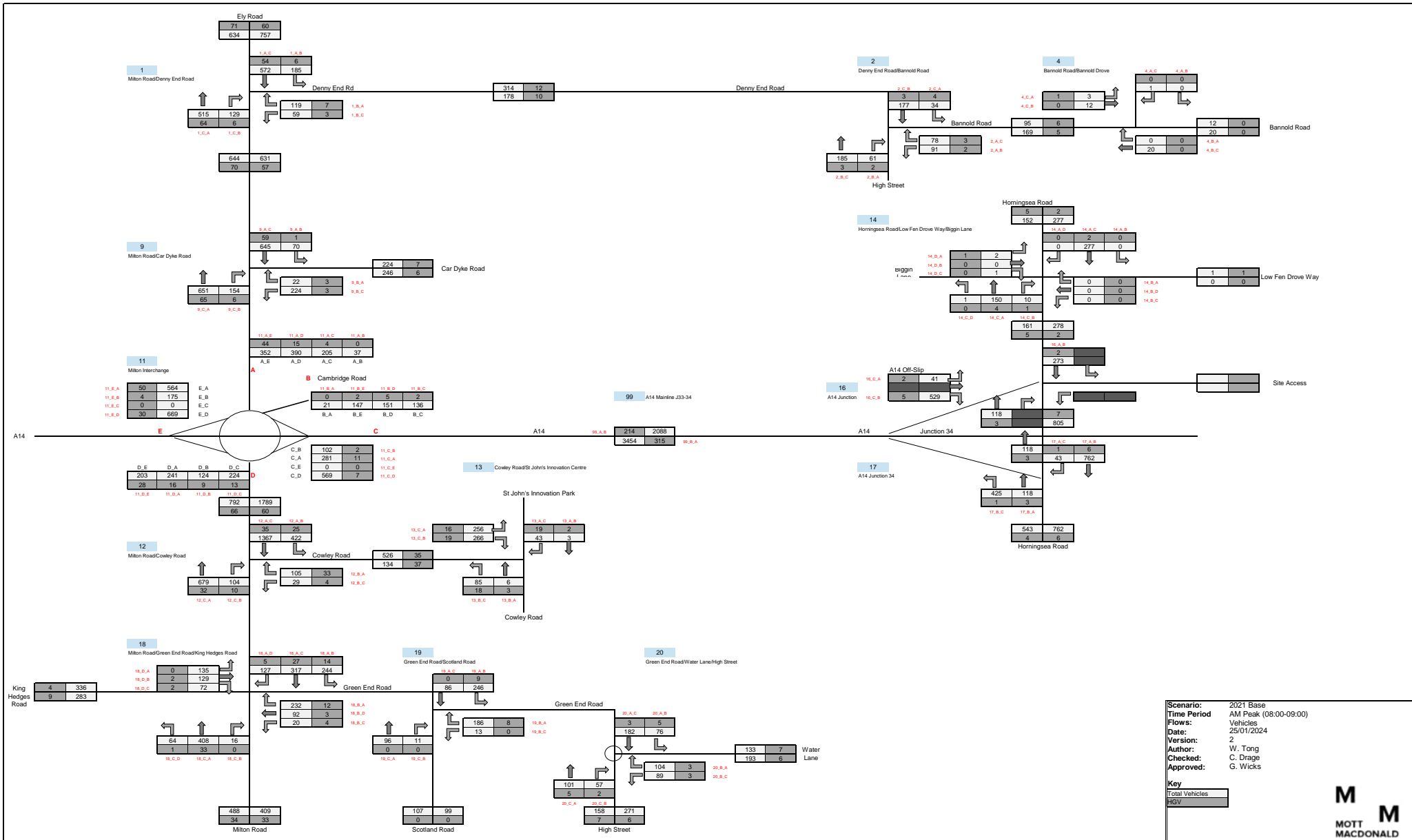


Registered Office
Anglian Water Services Ltd
Lancaster House, Lancaster Way,
Ermine Business Park, Huntingdon,
Cambridgeshire. PE29 6XU
Registered in England
No. 2366656.

an AWG Company

Traffic Flow Diagrams (Vehicles)

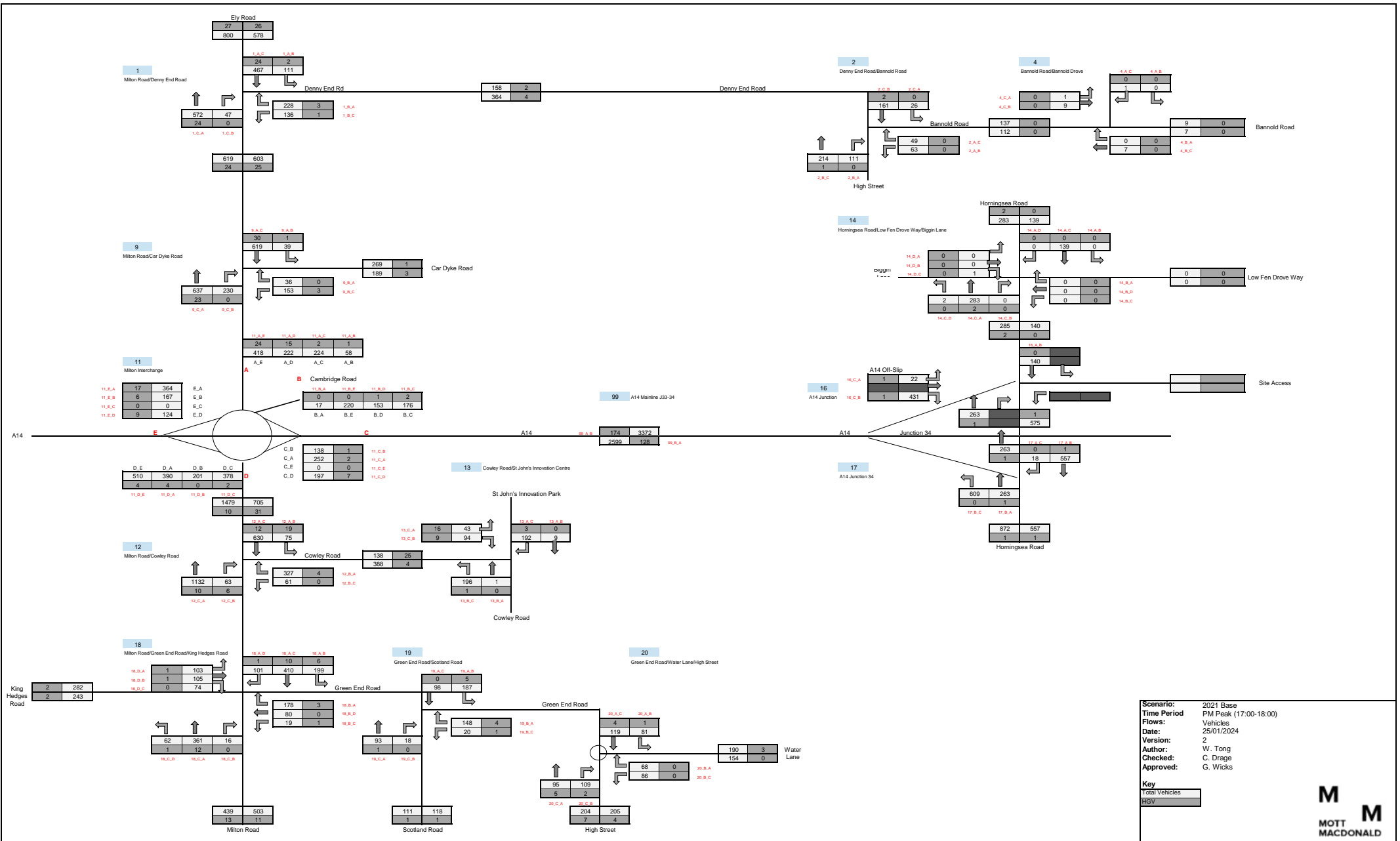
Base & Future Baseline



Scenario: 2021 Base
Time Period: AM Peak (08:00-09:00)
Flows: Vehicles
Date: 25/01/2024
Version: 2
Author: W. Tong
Checked: C. Drage
Approved: G. Wicks

Key
 Total Vehicles
 HGV

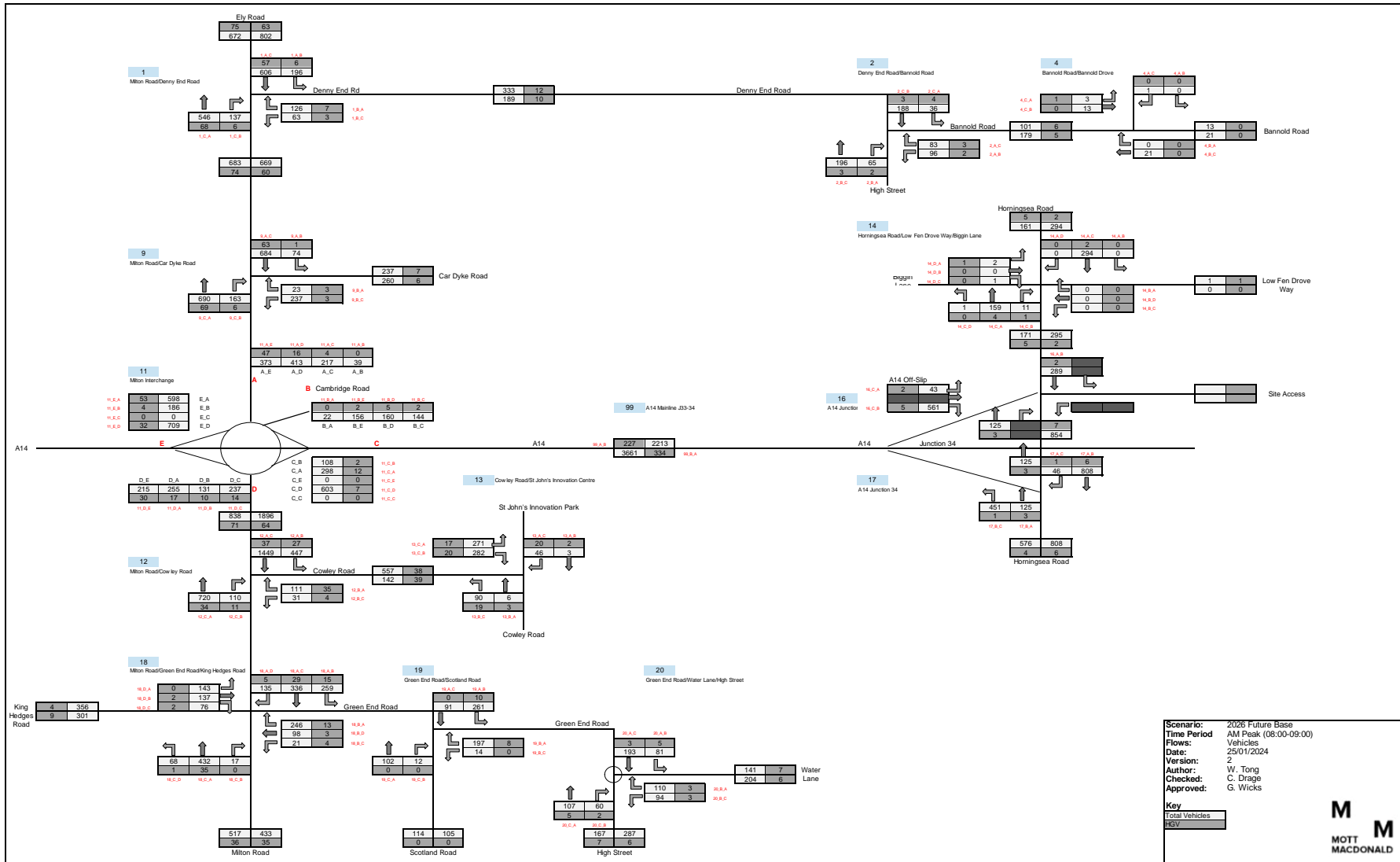




Scenario: 2021 Base
Time Period: PM Peak (17:00-18:00)
Flows: Vehicles
Date: 25/01/2024
Version: 2
Author: W. Tong
Checked: C. Drage
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Key
 Total Vehicles
 HGV

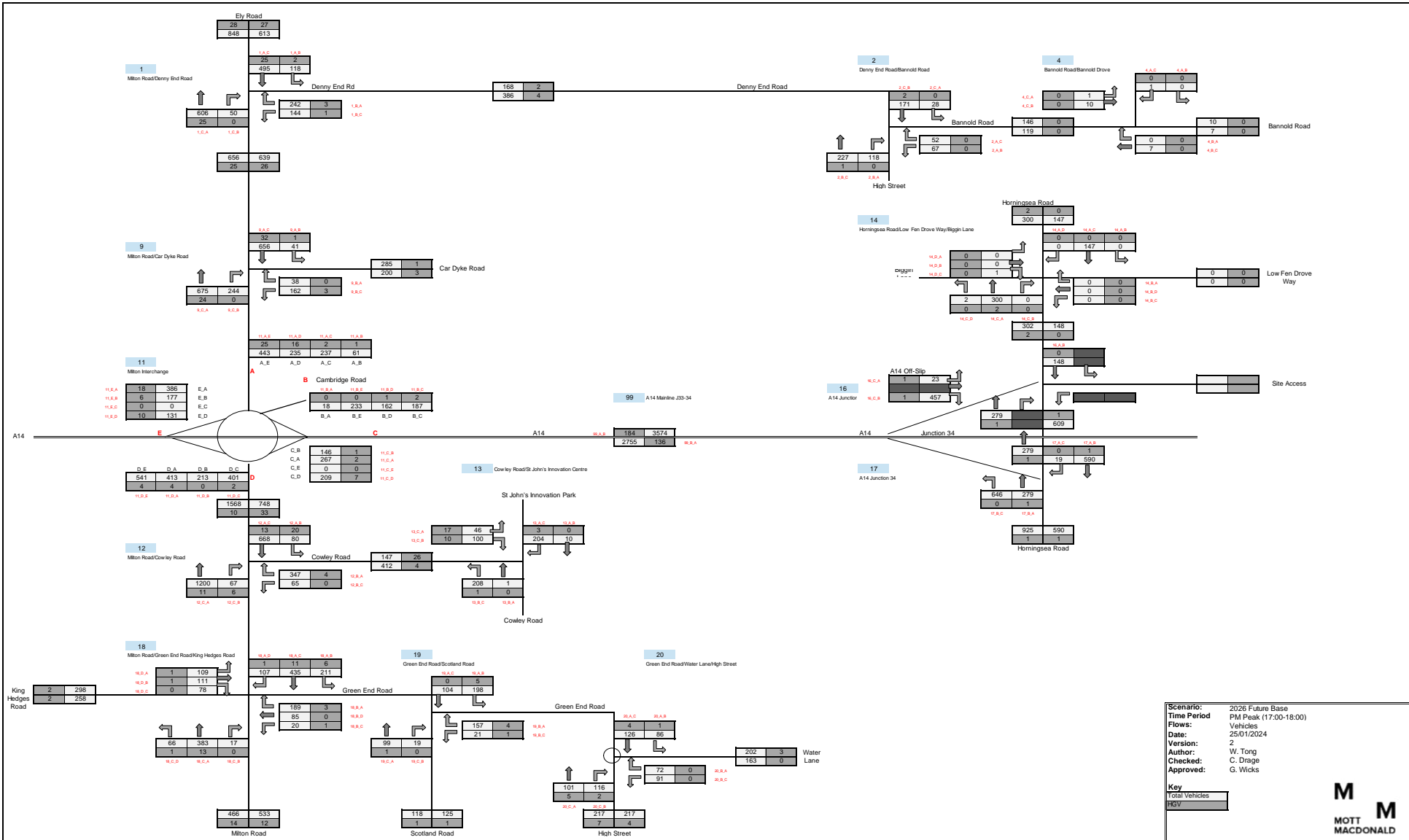




Scenario: 2026 Future Base
Time Period: AM Peak (08:00-09:00)
Flows: Vehicles
Date: 25/01/2024
Version: 2
Author: W. Tong
Checked: C. Drage
Approved: G. Wicks

Key
 Total Vehicles
 BGW

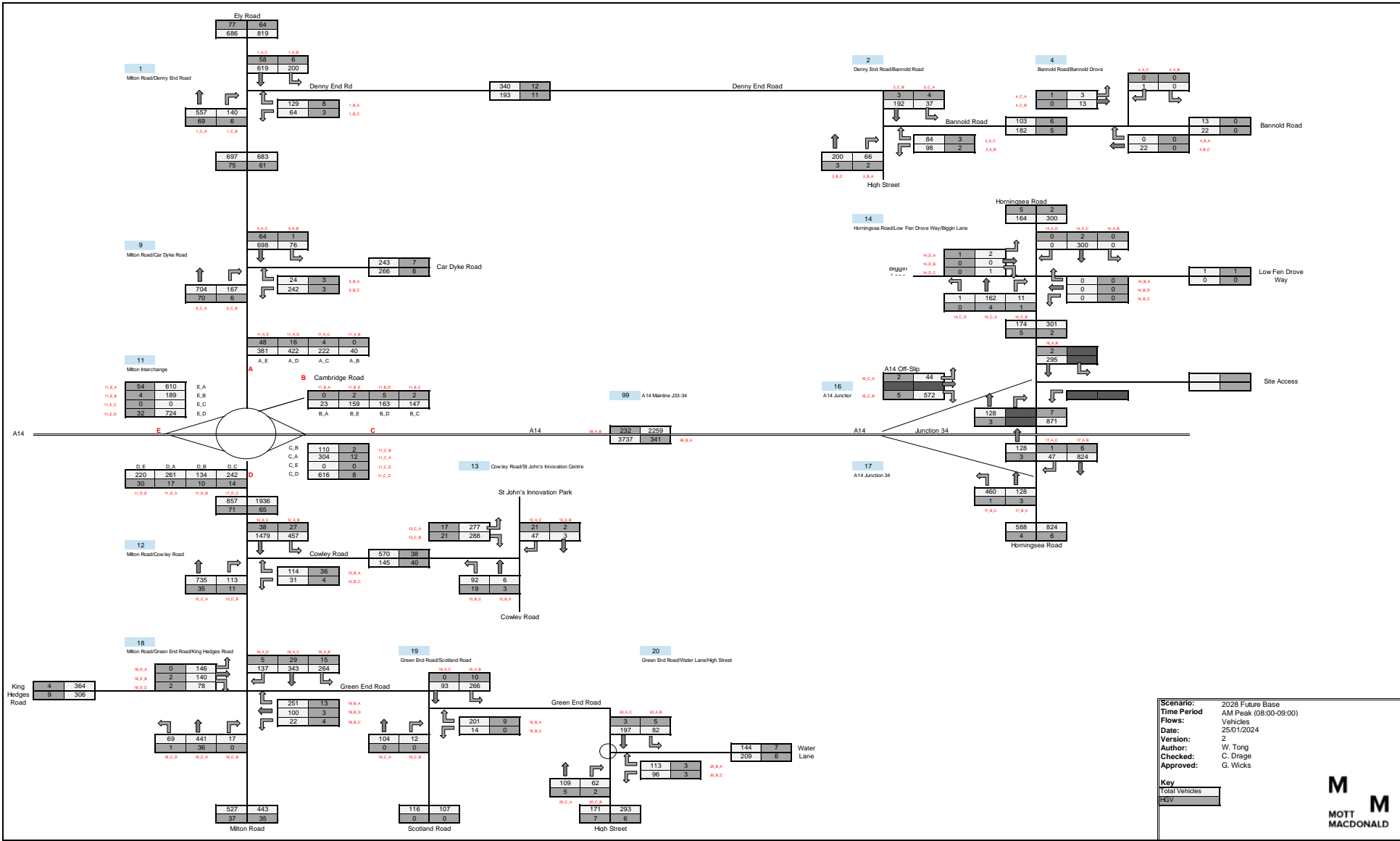




Scenario: 2026 Future Base
Time Period: PM Peak (17:00-18:00)
Flows: Vehicles
Date: 25/01/2024
Version: 2
Author: W. Tong
Checked: C. Drage
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Key
 Total Vehicles
 HGV

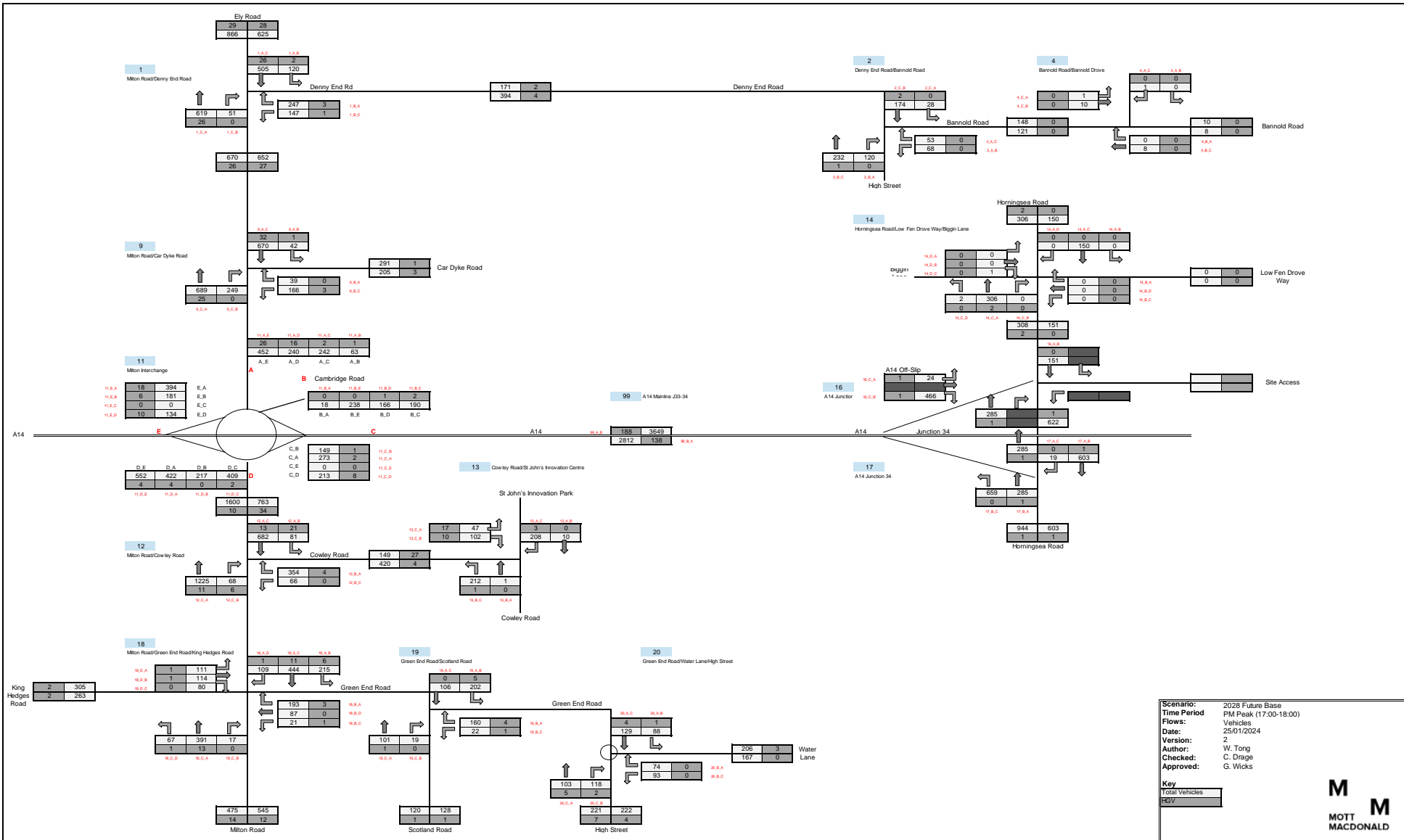


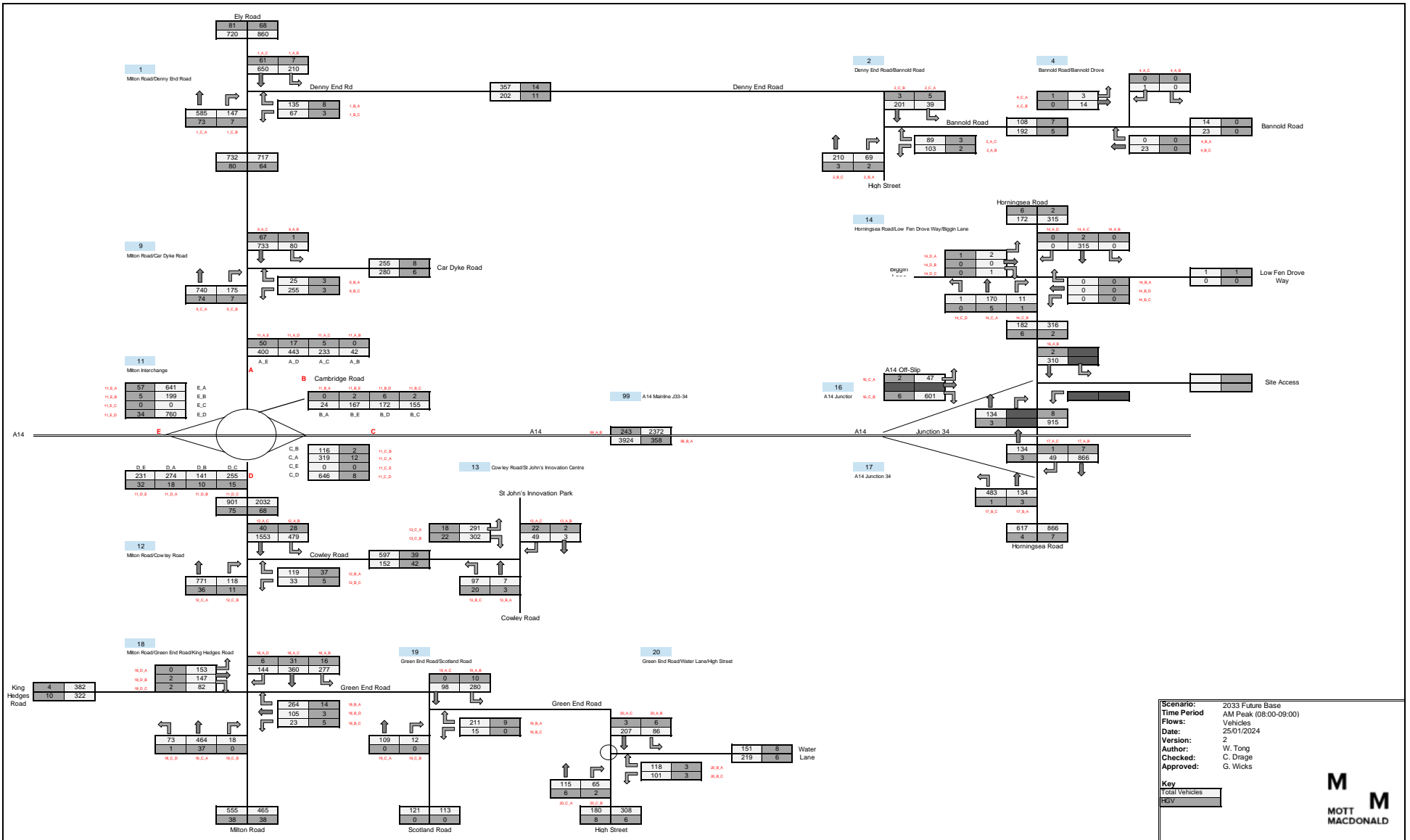


Scenario: 2028 Future Base
Time Period: AM Peak (08:00-09:00)
Flows: Vehicles
Date: 25/01/2024
Version: 2
Author: W. Tong
Checked: C. Drage
Approved: G. Wicks

Key
 Total Vehicles
 HGV



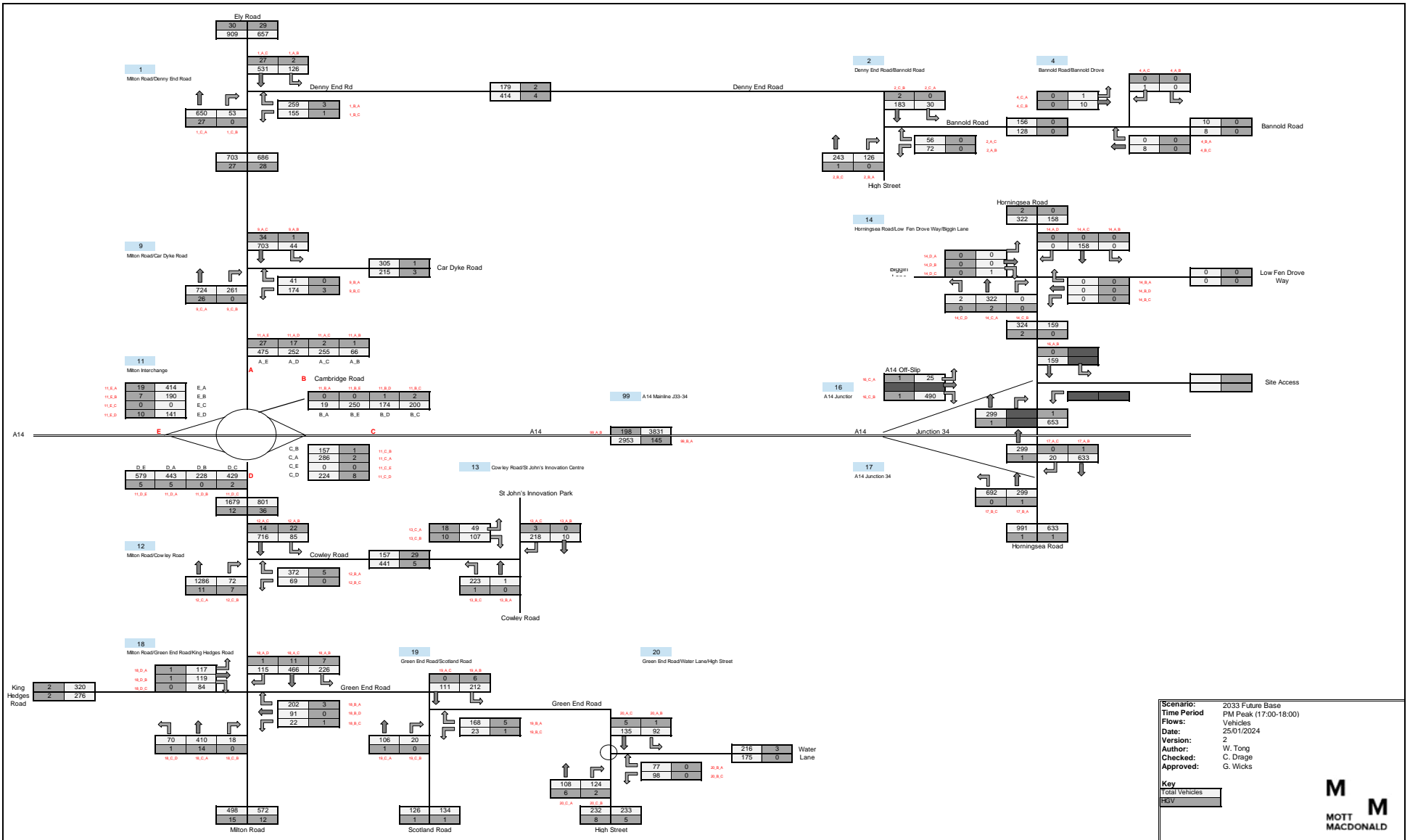


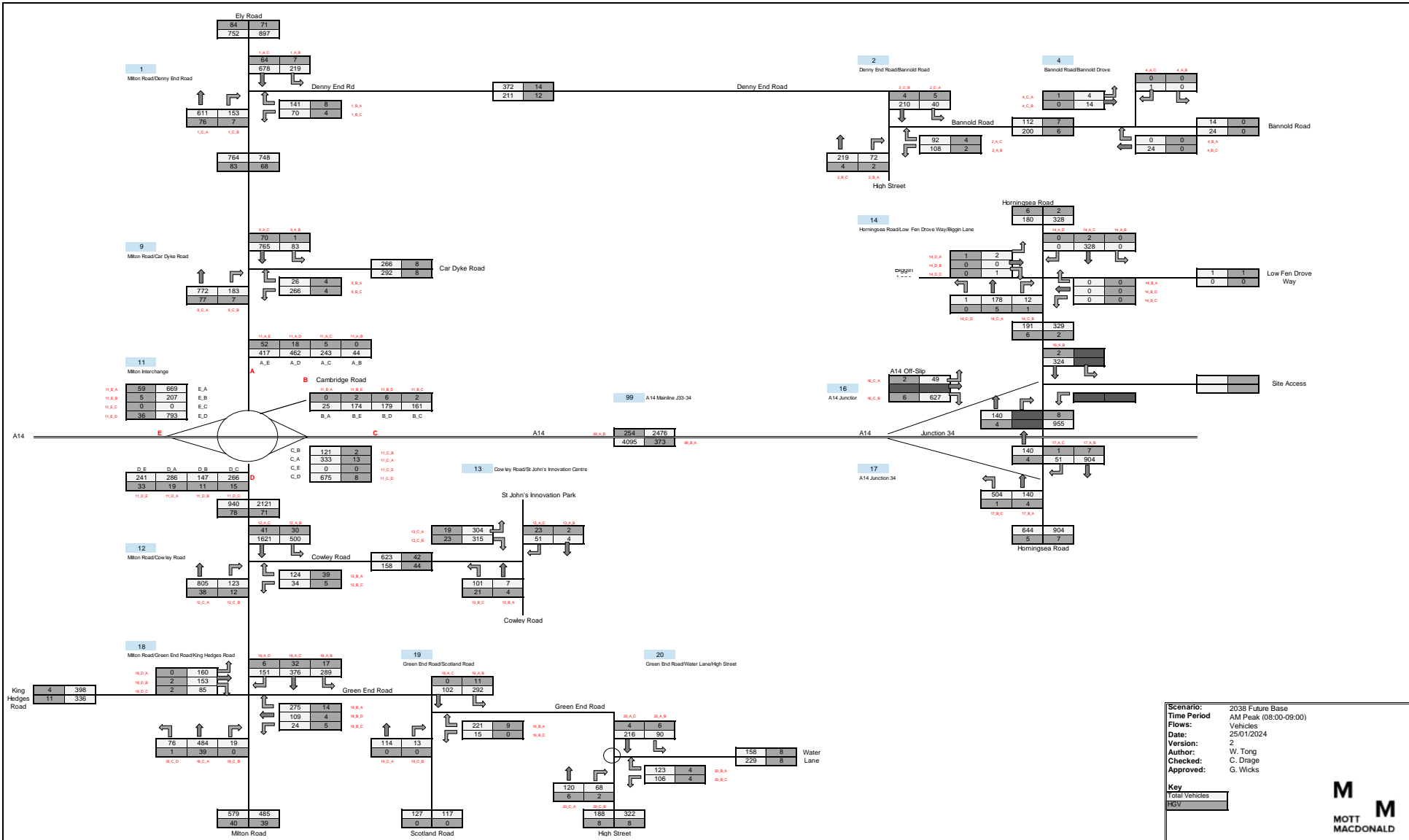


Scenario: 2033 Future Base
Time Period: AM Peak (08:00-09:00)
Flows: Vehicles
Date: 25/01/2024
Version: 2
Author: W. Tong
Checked: C. Drage
Approved: G. Wicks

Key
 Total Vehicles
 HGV



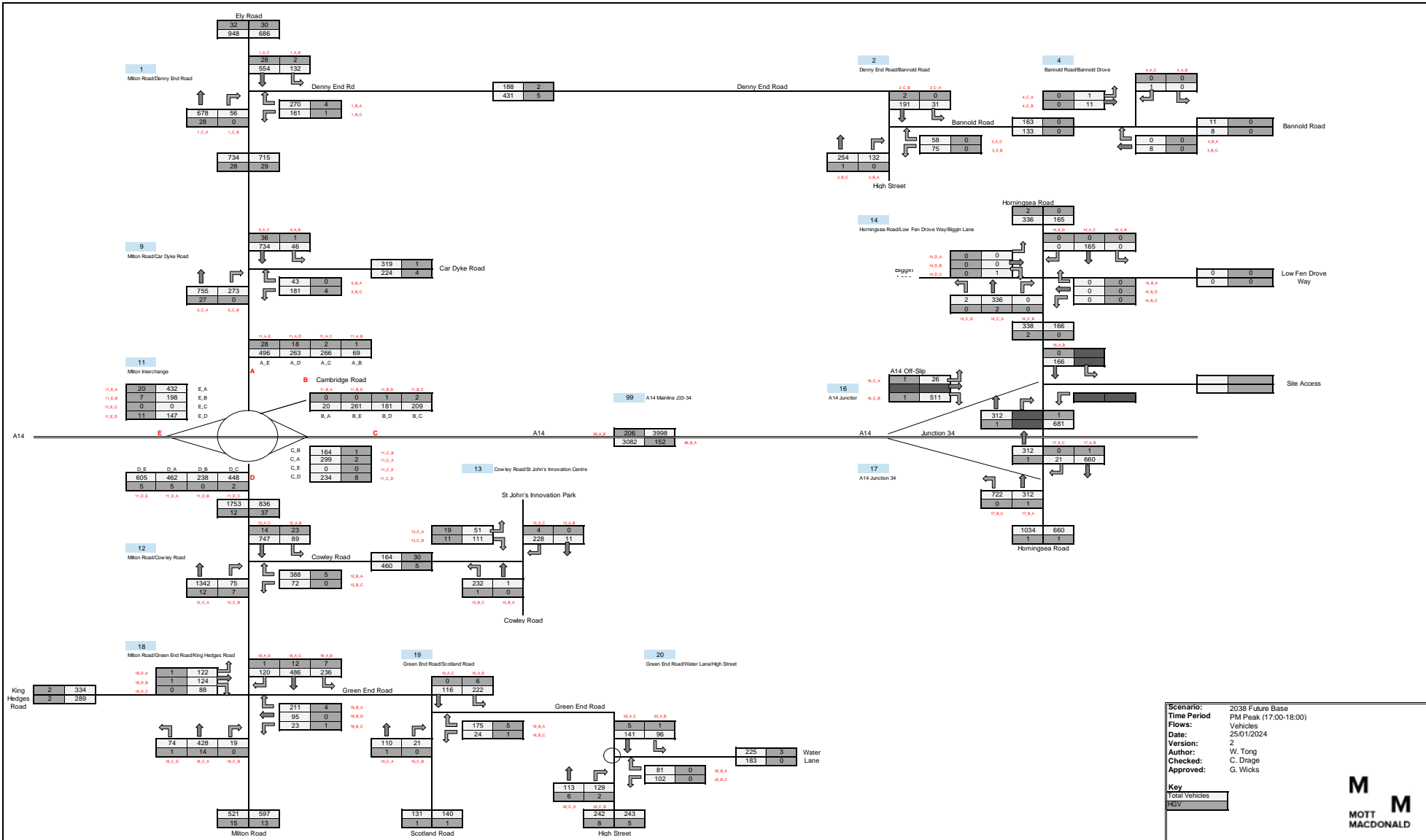




Scenario: 2038 Future Base
Time Period: AM Peak (08:00-09:00)
Flows: Vehicles
Date: 25/01/2024
Version: 2
Author: W. Tong
Checked: C. Drage
Approved: G. Wicks

Key
 Total Vehicles
 HGV





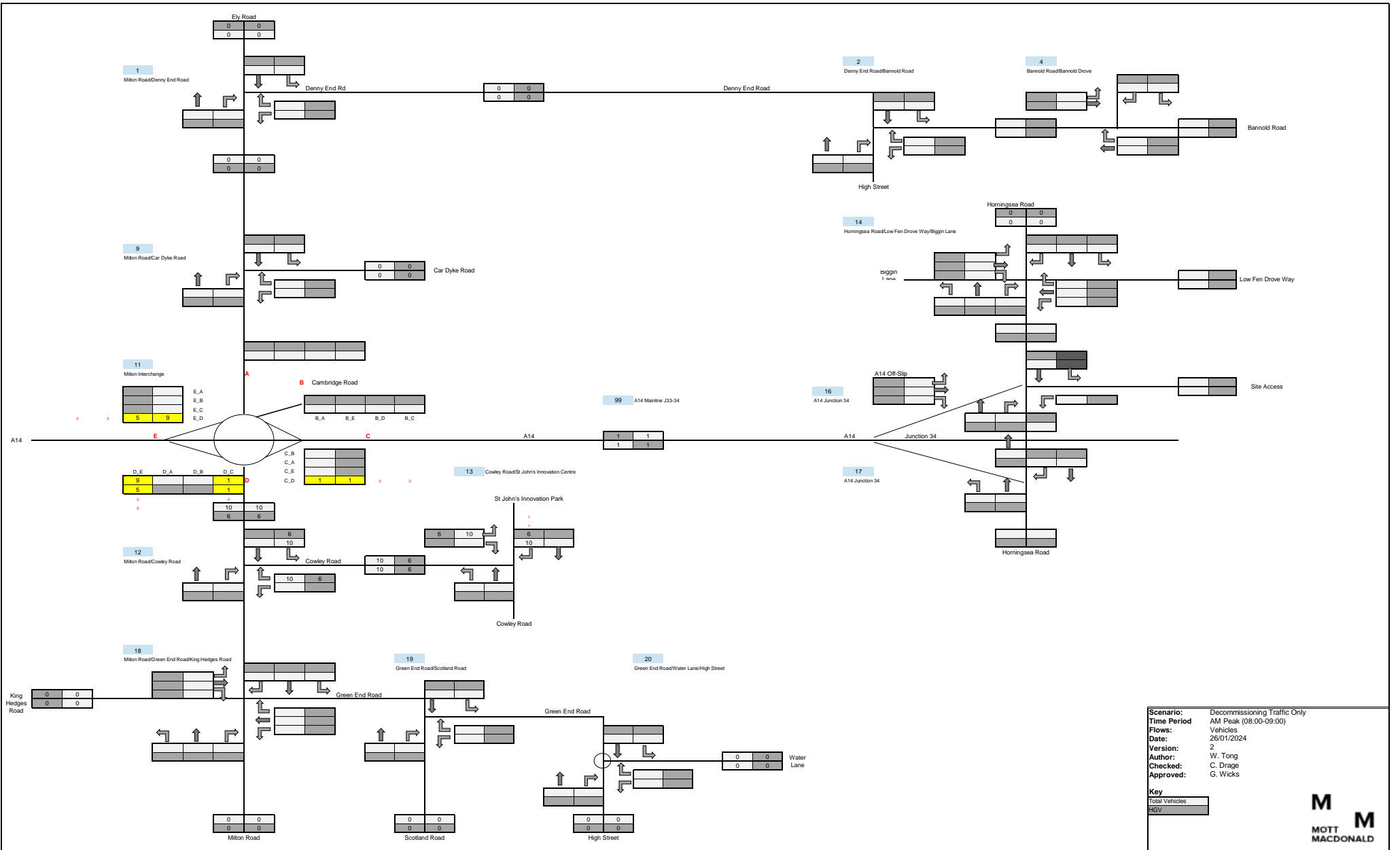
Scenario: 2038 Future Base
Time Period: PM Peak (17:00-18:00)
Flows: Vehicles
Date: 25/01/2024
Version: 2
Author: W. Tong
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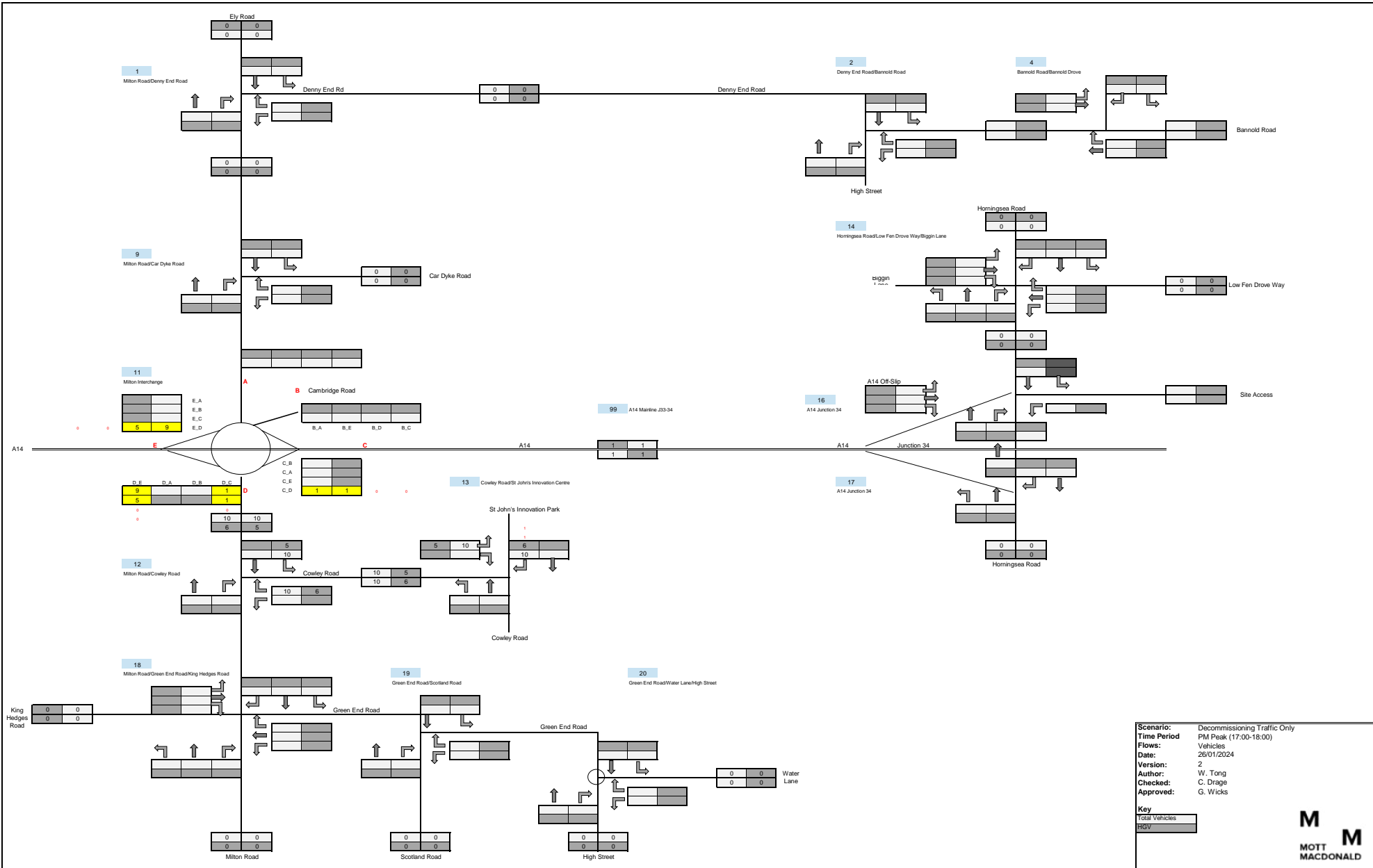
Key
 Total Vehicles
 HGV



Traffic Flow Diagrams (Vehicles)

Decommissioning

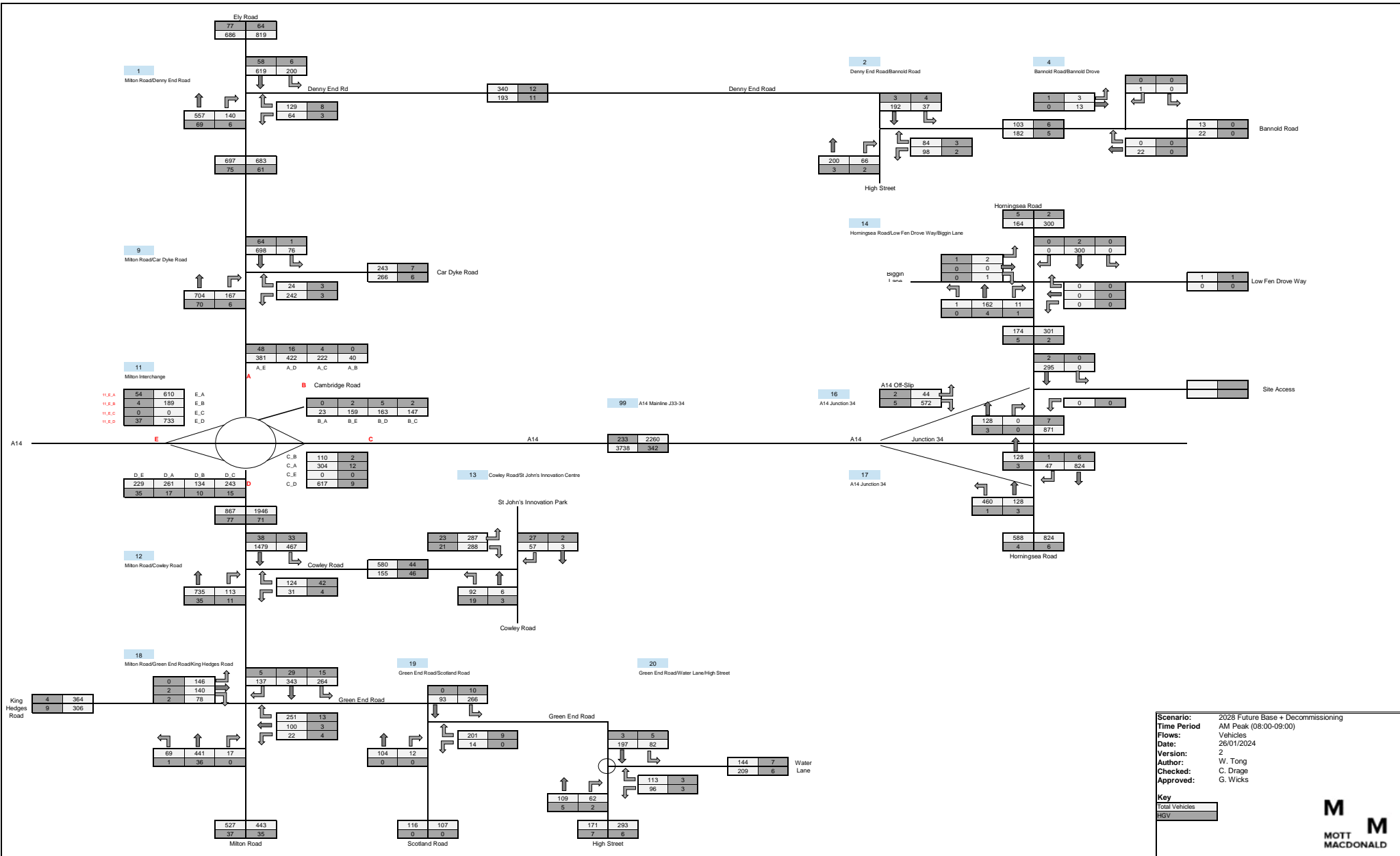




Scenario: Decommissioning Traffic Only
Time Period: PM Peak (17:00-18:00)
Flows: Vehicles
Date: 26/01/2024
Version: 2
Author: W. Tong
Checked: C. Drage
Approved: G. Wicks

Key
 TCSA Vehicles
 BSV

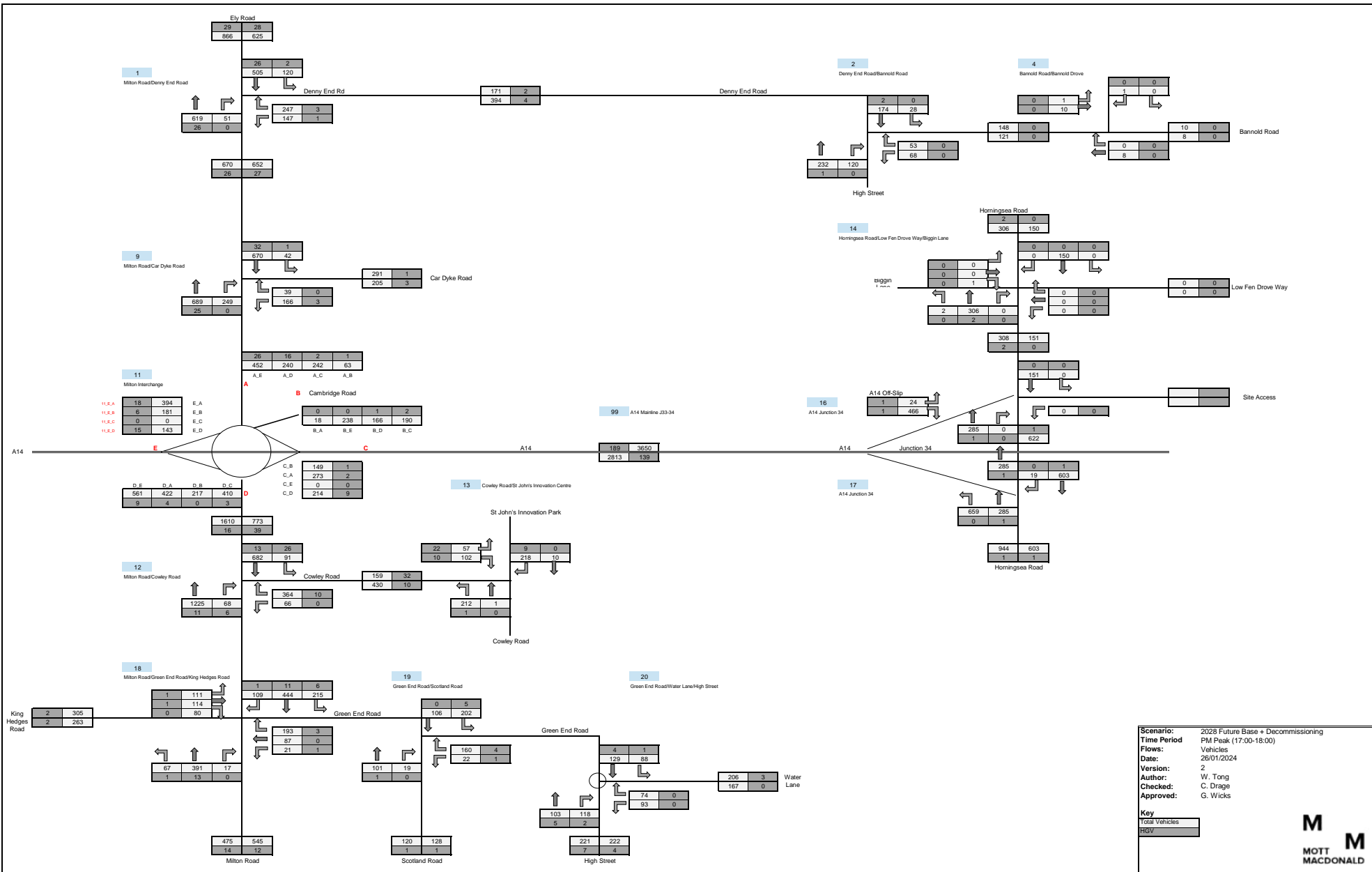




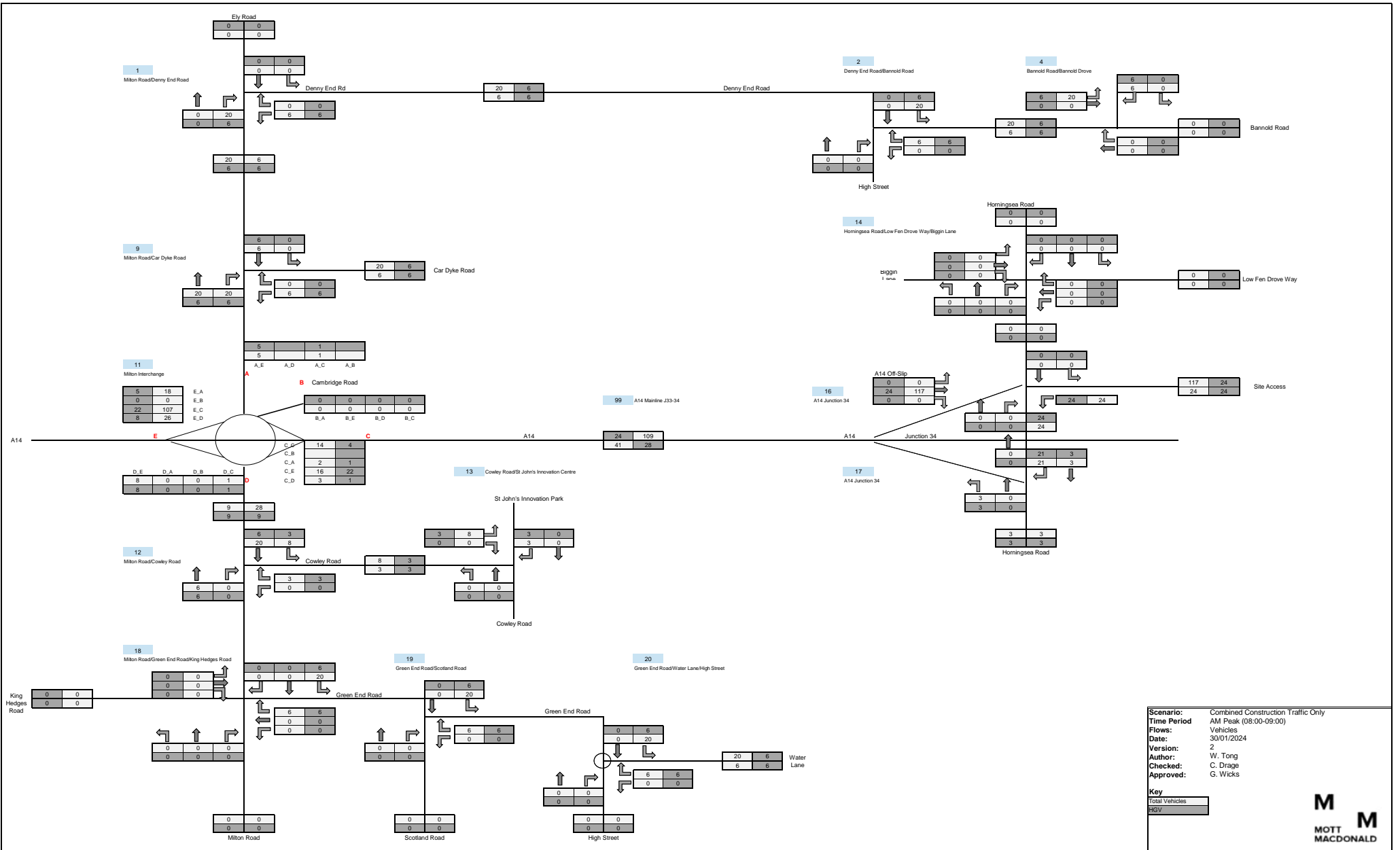
Scenario: 2026 Future Base + Decommissioning
Time Period: AM Peak (08:00-09:00)
Flows: Vehicles
Date: 26/01/2024
Version: 2
Author: W. Tong
Checked: C. Drage
Approved: G. Wicks

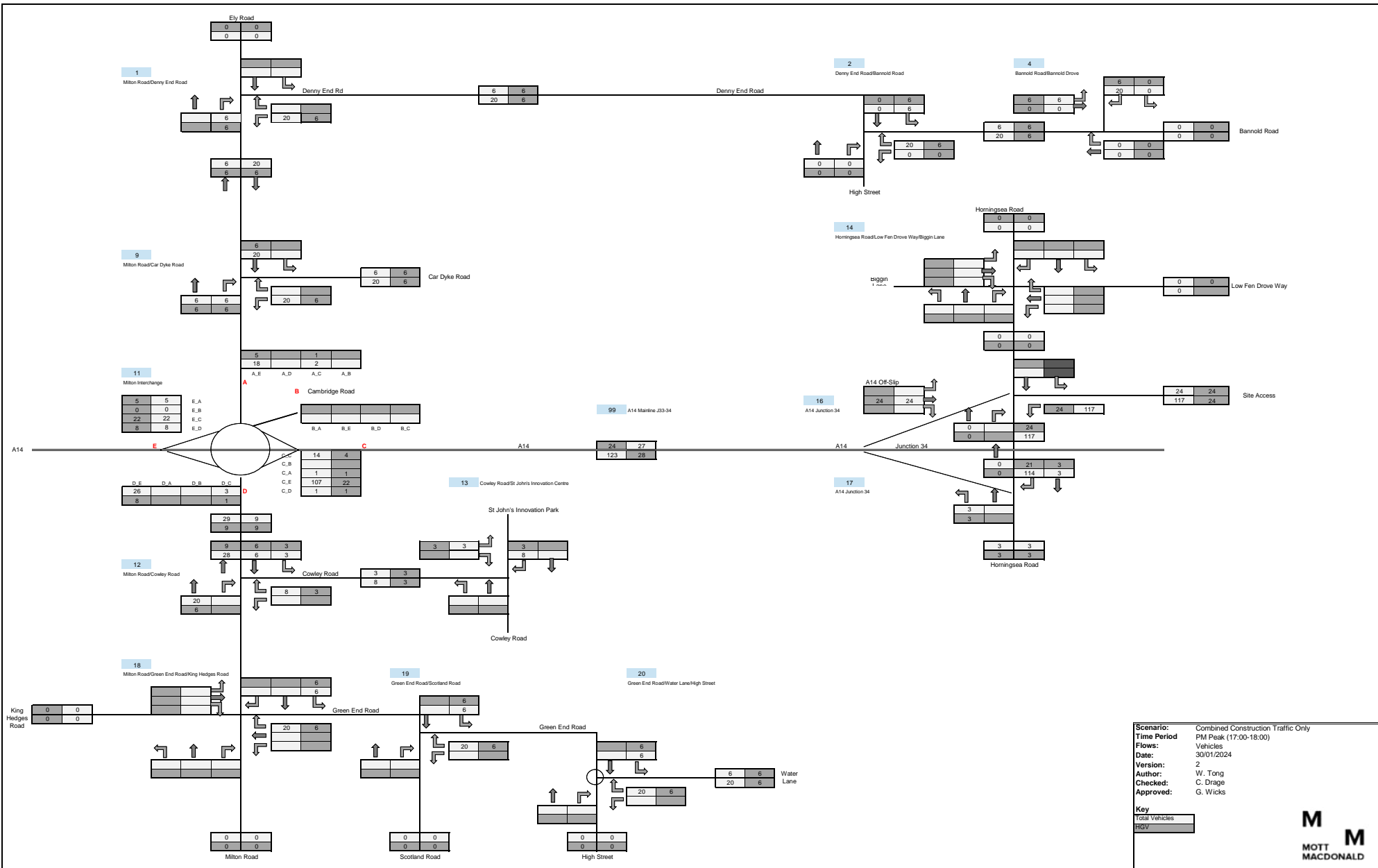
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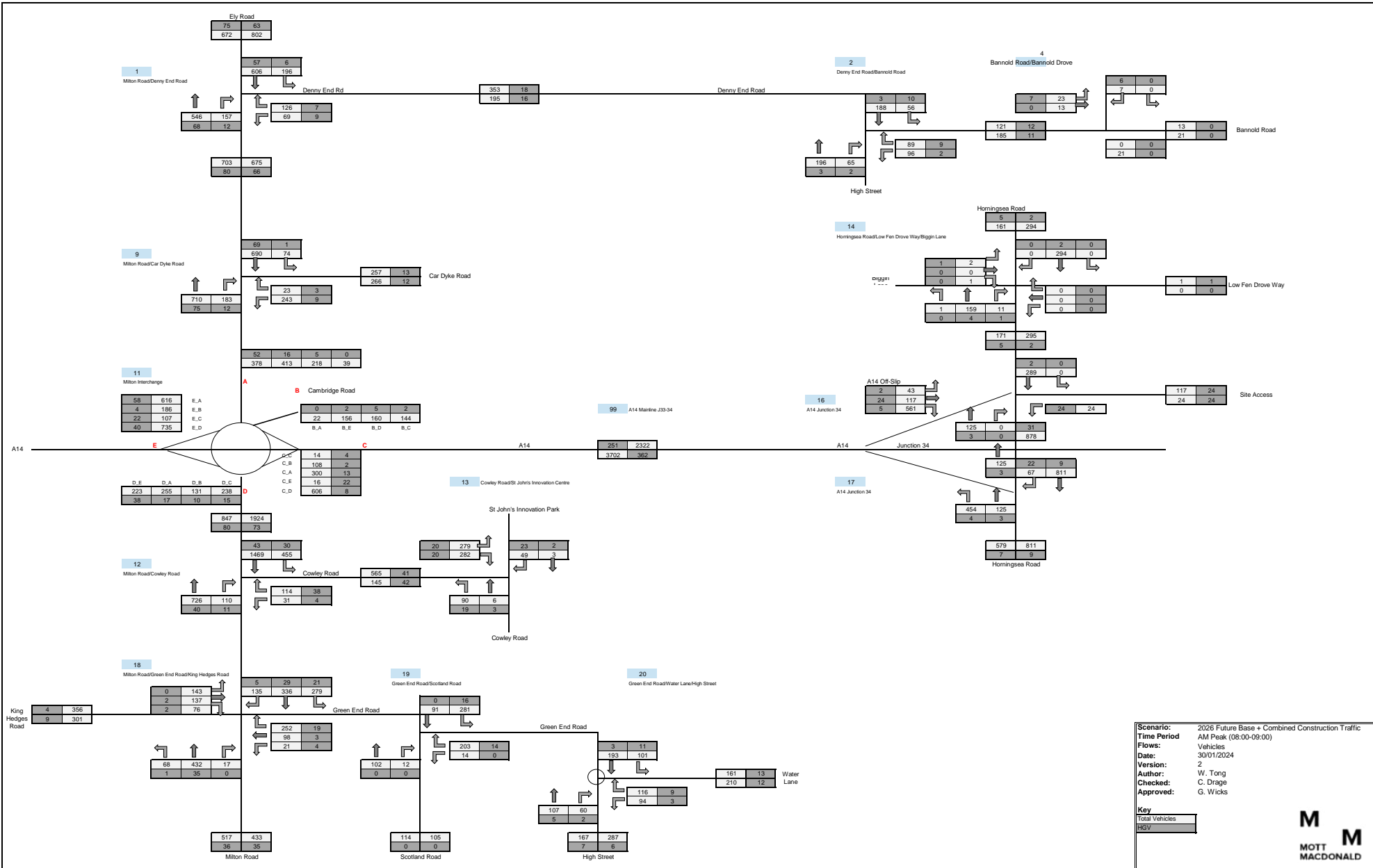


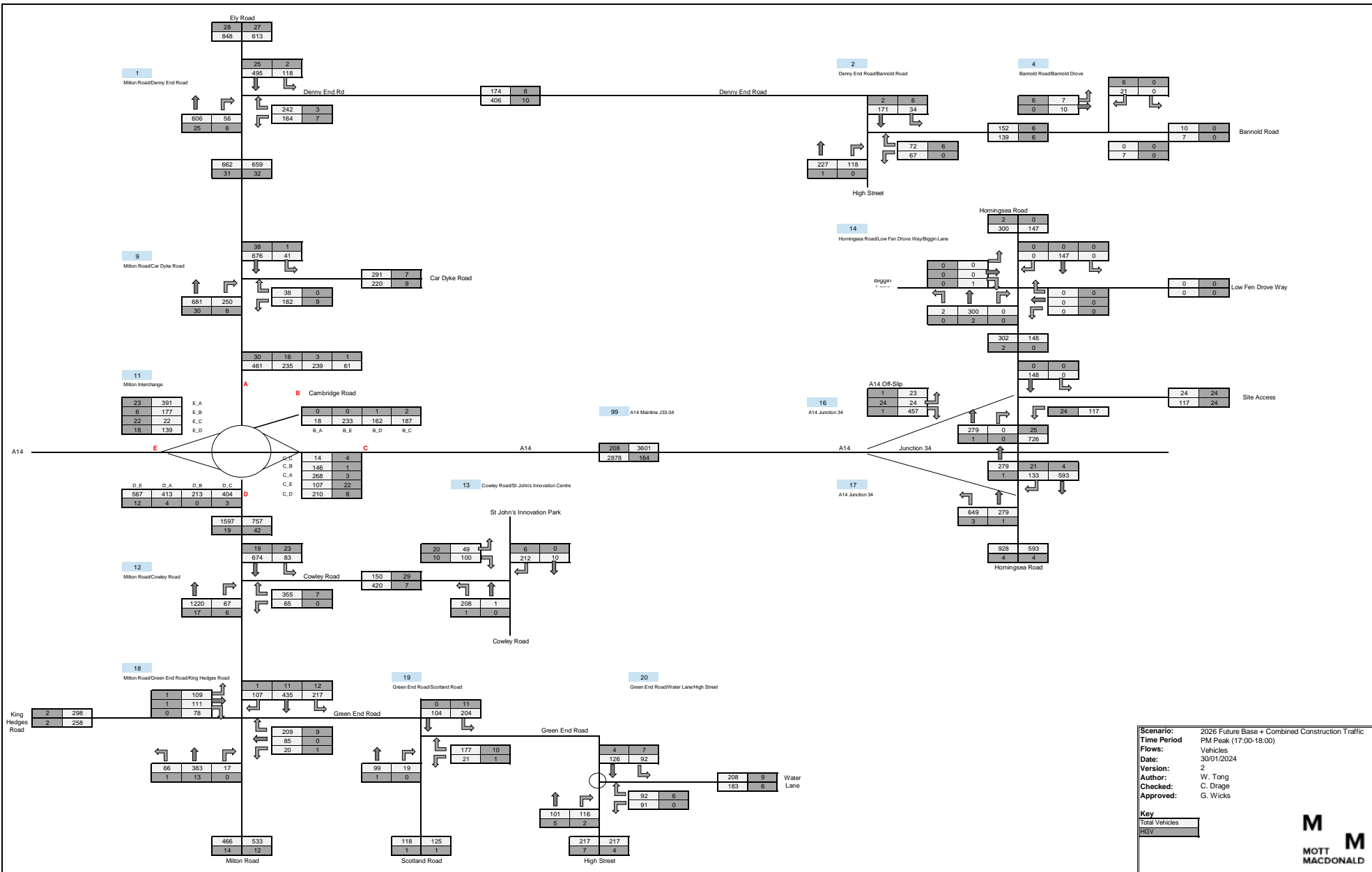


Traffic Flow Diagrams (Vehicles) Construction







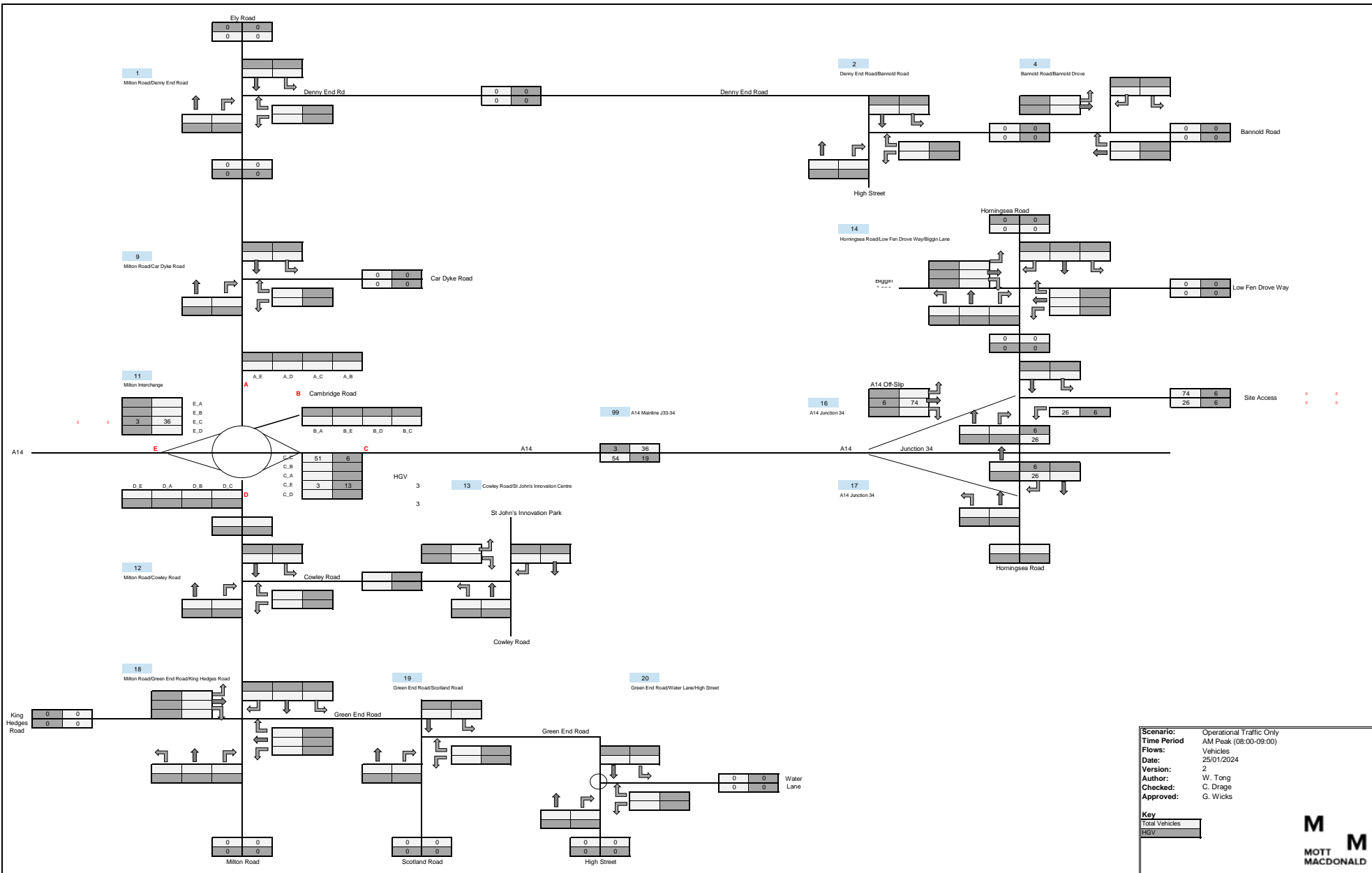


Scenario: 2026 Future Base + Combined Construction Traffic
Time Period: PM Peak (17:00-18:00)
Flows: Vehicles
Date: 30/01/2024
Version: 2
Author: W. Tong
Checked: C. Drage
Approved: G. Wicks

Key
 Total Vehicles
 HDV



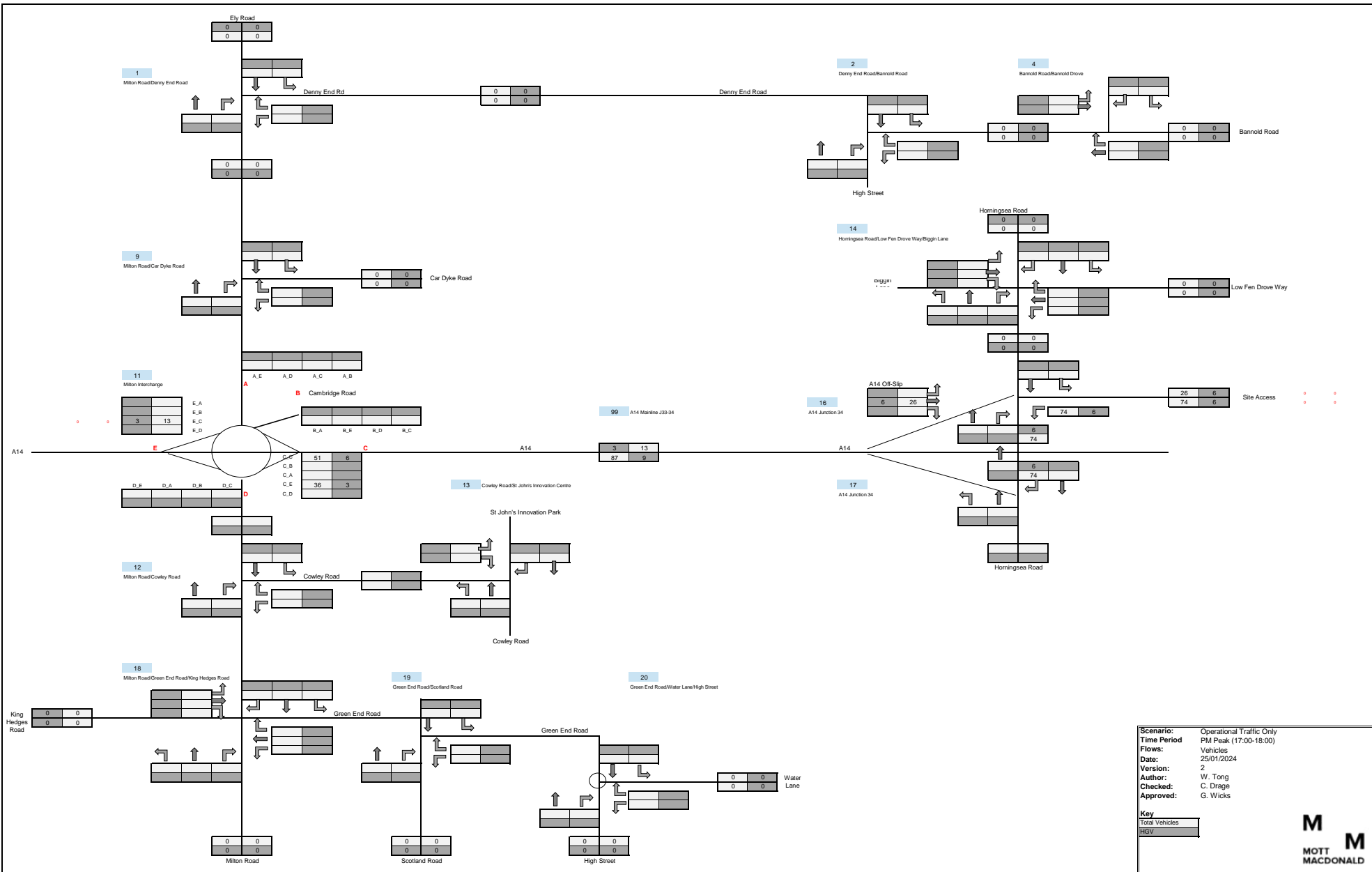
Traffic Flow Diagrams (Vehicles) Operation



Scenario: Operational Traffic Only
Time Period: AM Peak (08:00-09:00)
Flows: Vehicles
Date: 25/01/2024
Version: 2
Author: W. Tong
Checked: C. Drage
Approved: G. Wicks

Key
 Total Vehicles
 HGV

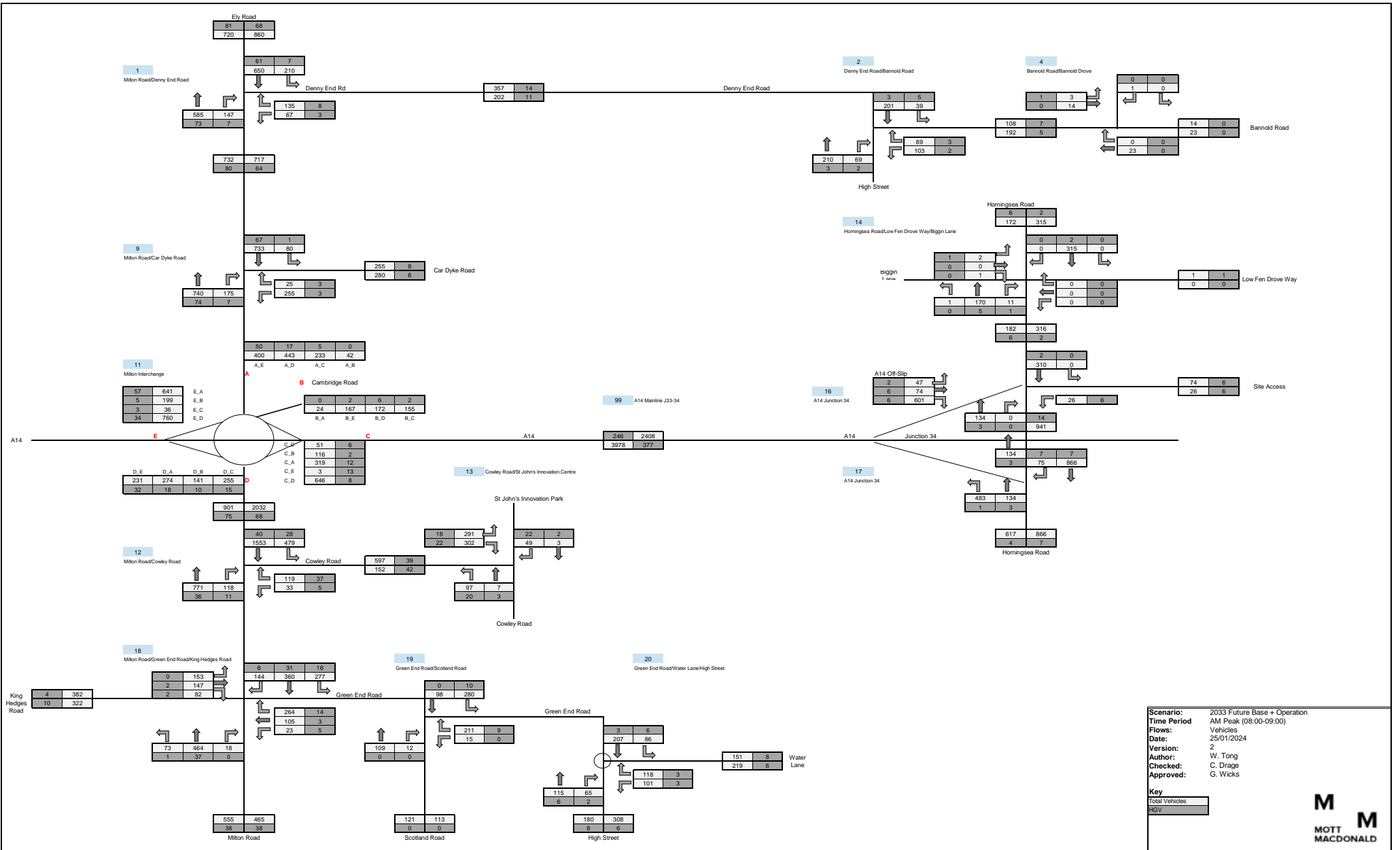




Scenario: Operational Traffic Only
Time Period: PM Peak (17:00-18:00)
Flows: Vehicles
Date: 25/01/2024
Version: 2
Author: W. Tong
Checked: C. Drage
Approved: G. Wicks

Key
 Total Vehicles
 HDV

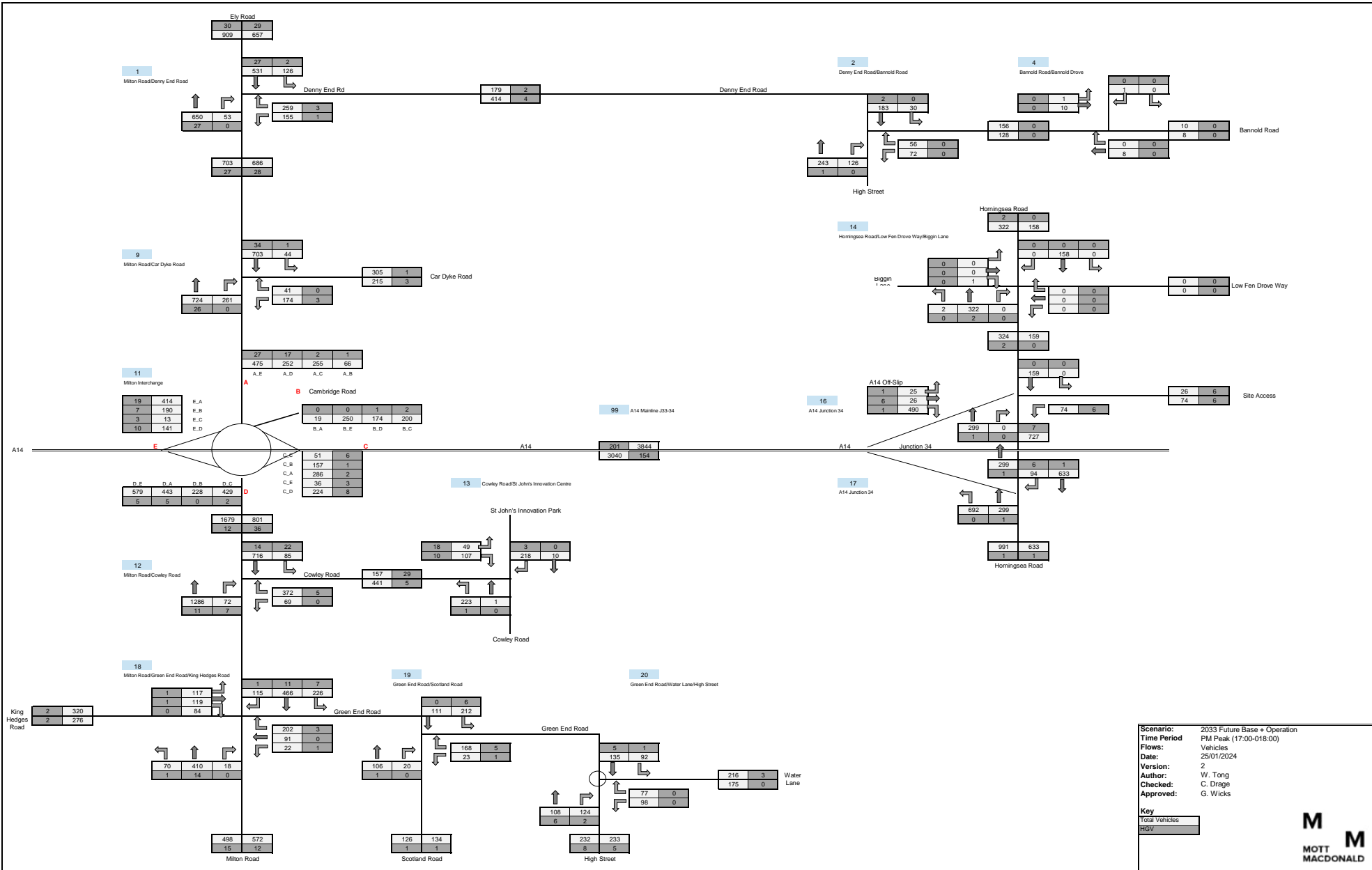




Scenario: 2033 Future Base + Operation
Time Period: AM Peak (08:00-09:00)
Flows: Vehicles
Date: 25/01/2024
Version: 2
Author: W. Tong
Checked: C. Drage
Approved: G. Wicks

Key
 Total Vehicles
 HGV

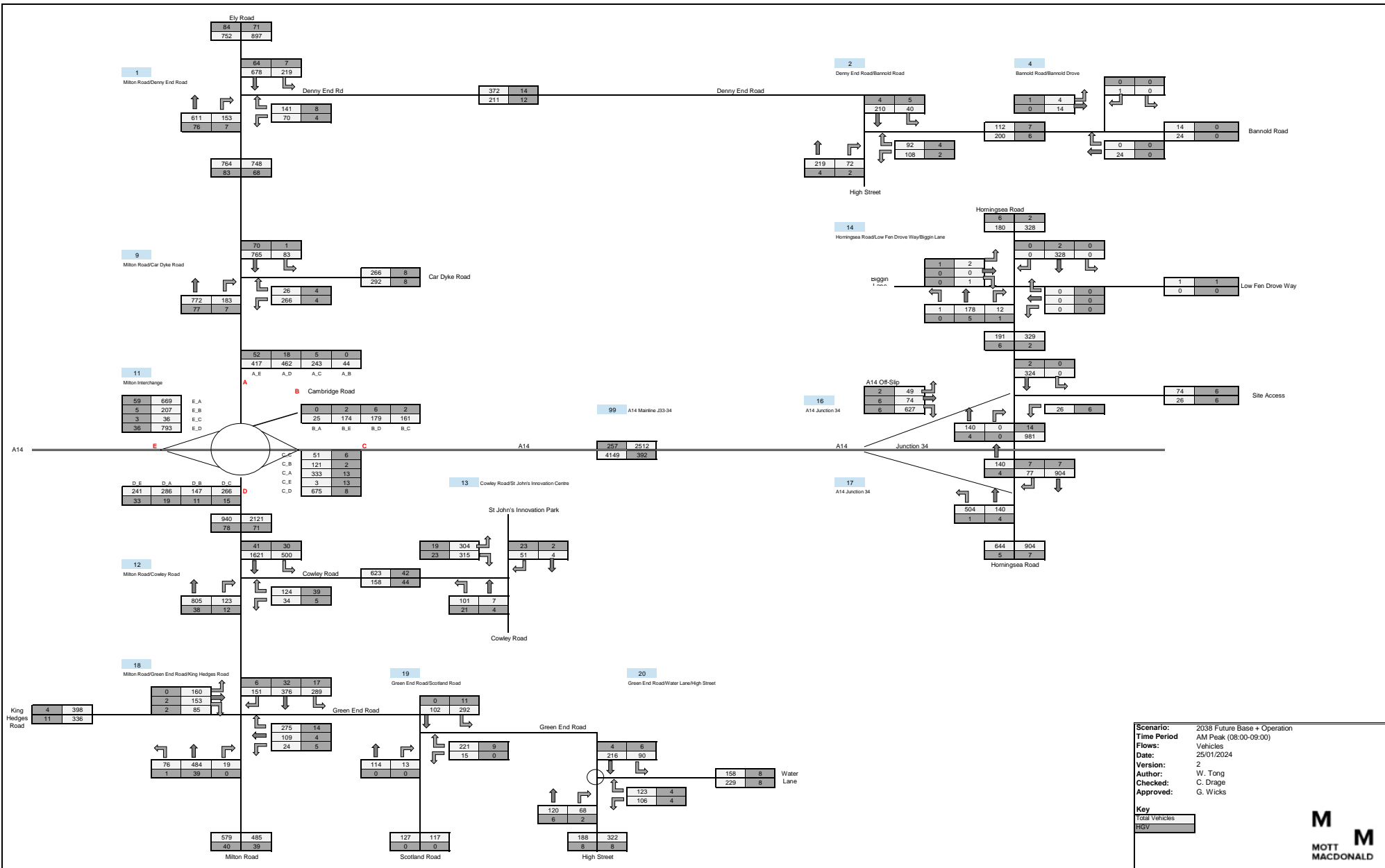




Scenario: 2033 Future Base + Operation
Time Period: PM Peak (17:00-018:00)
Flows: Vehicles
Date: 25/01/2024
Version: 2
Author: W. Tong
Checked: C. Drage
Approved: G. Wicks

Key
 TCSA Vehicles
 BSV

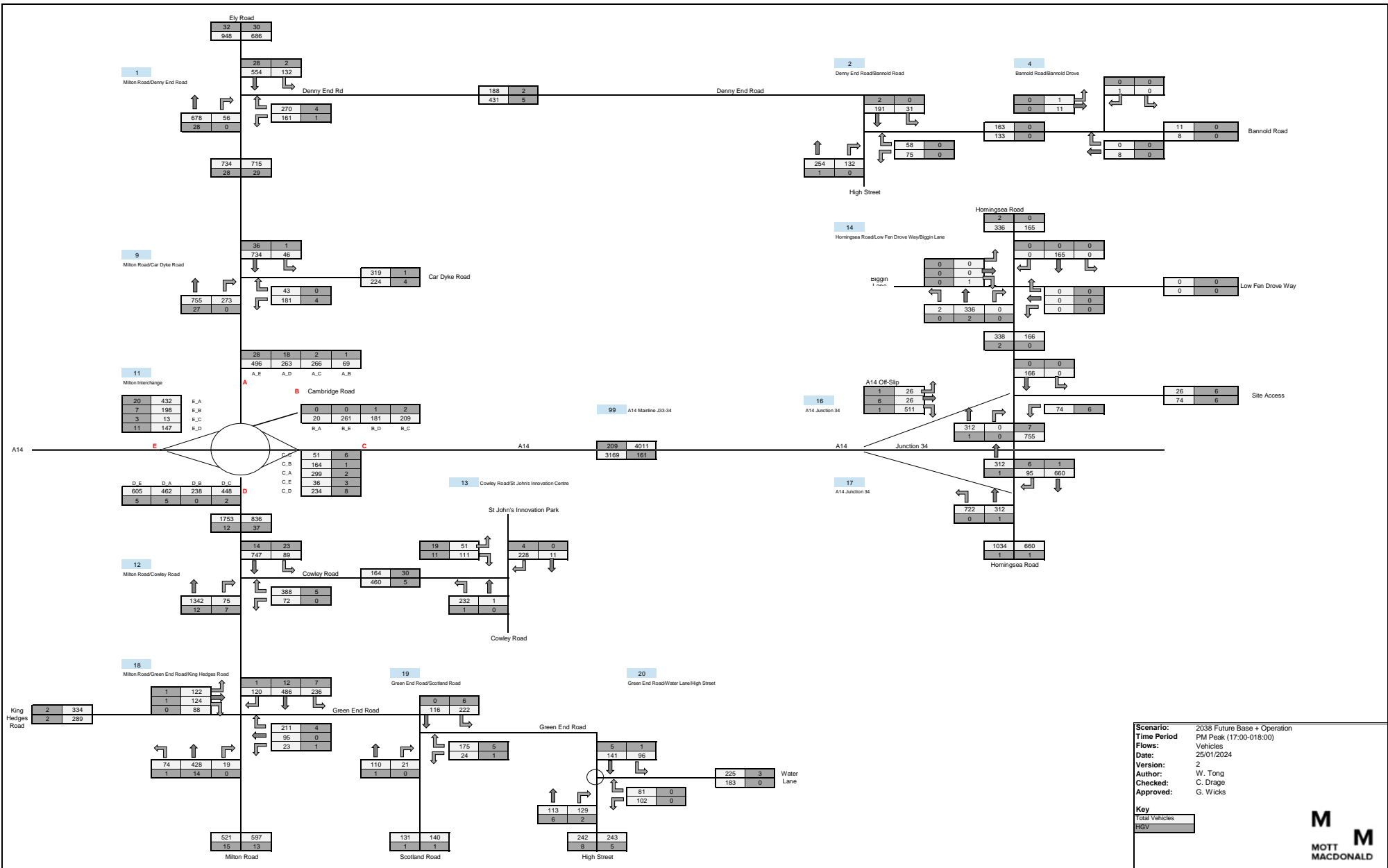




Scenario: 2036 Future Base + Operation
Time Period: AM Peak (08:00-09:00)
Flows: Vehicles
Date: 25/01/2024
Version: 2
Author: W. Tong
Checked: C. Drage
Approved: G. Wicks

Key
 TCSA Vehicles
 BSV





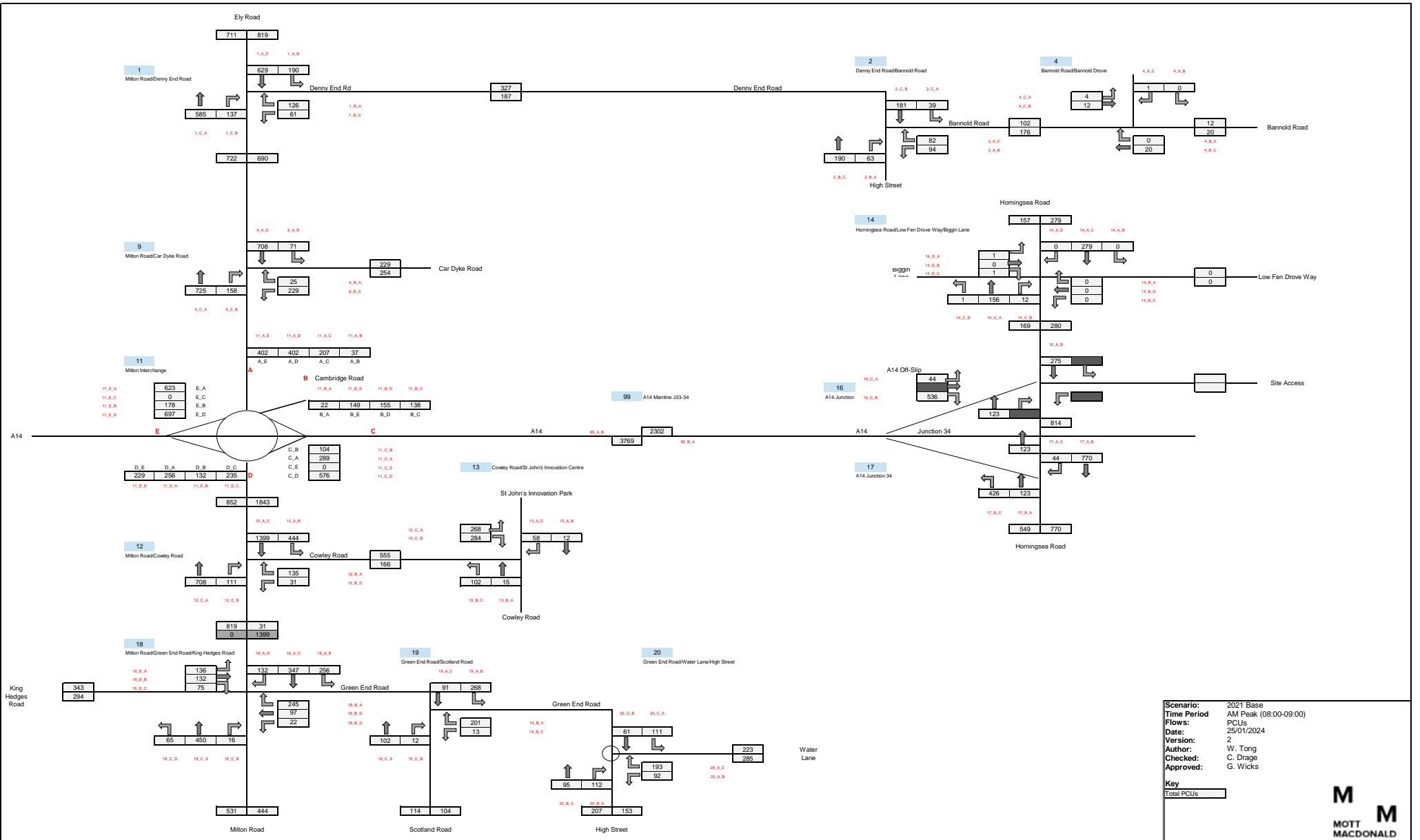
Scenario: 2036 Future Base + Operation
Time Period: PM Peak (17:00-018:00)
Flows: Vehicles
Date: 25/01/2024
Version: 2
Author: W. Tong
Checked: C. Drage
Approved: G. Wicks

Key
 TGVs Vehicles
 BGV



Traffic Flow Diagrams (PCUs)

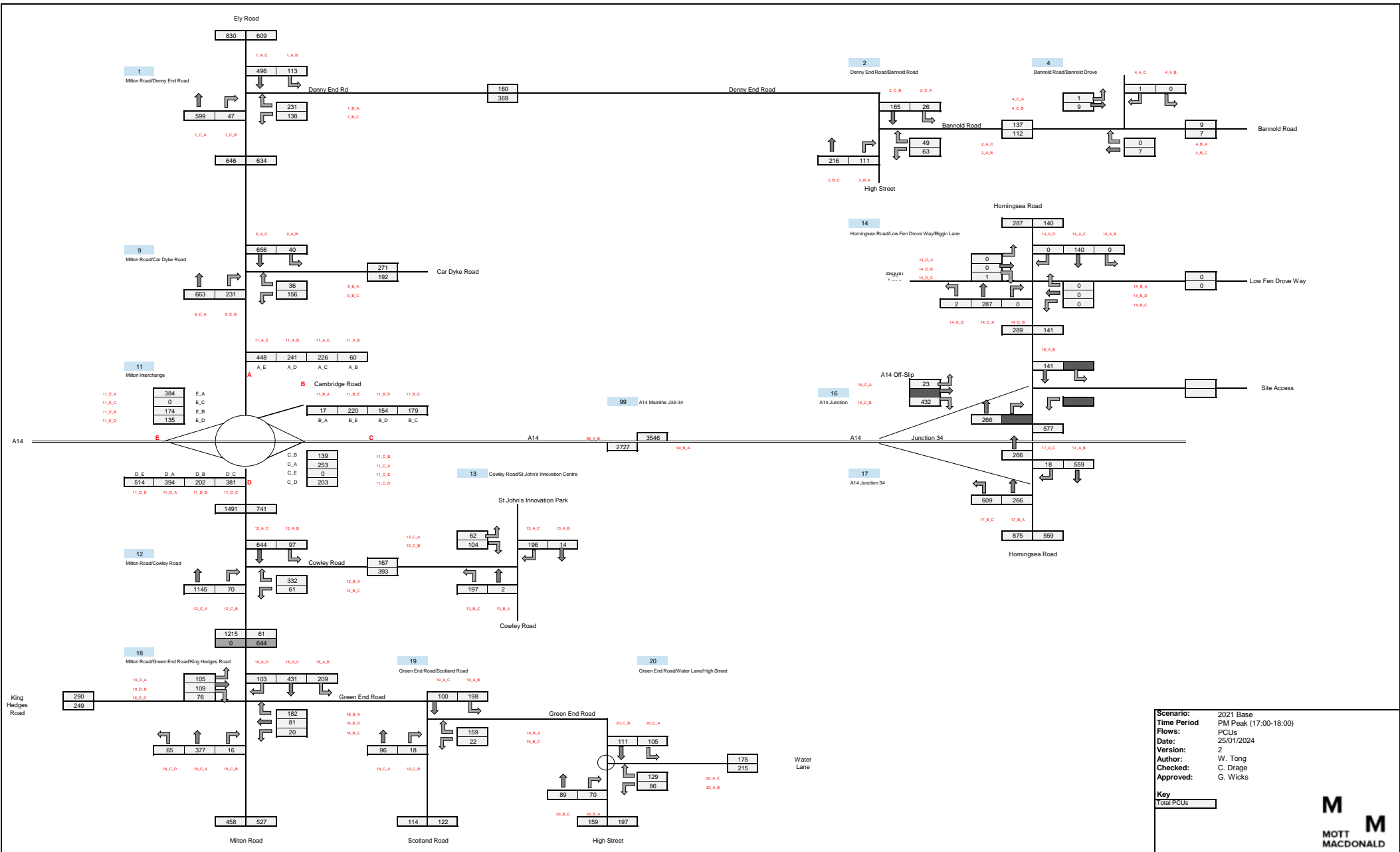
Base & Future Baseline



Scenario: 2021 Base
Time Period: AM Peak (08:00-09:00)
Flows: PCUs
Date: 25/01/2024
Version: 2
Author: W. Tong
Checked: C. Drage
Approved: G. Wicks

Key
 Total PCUs

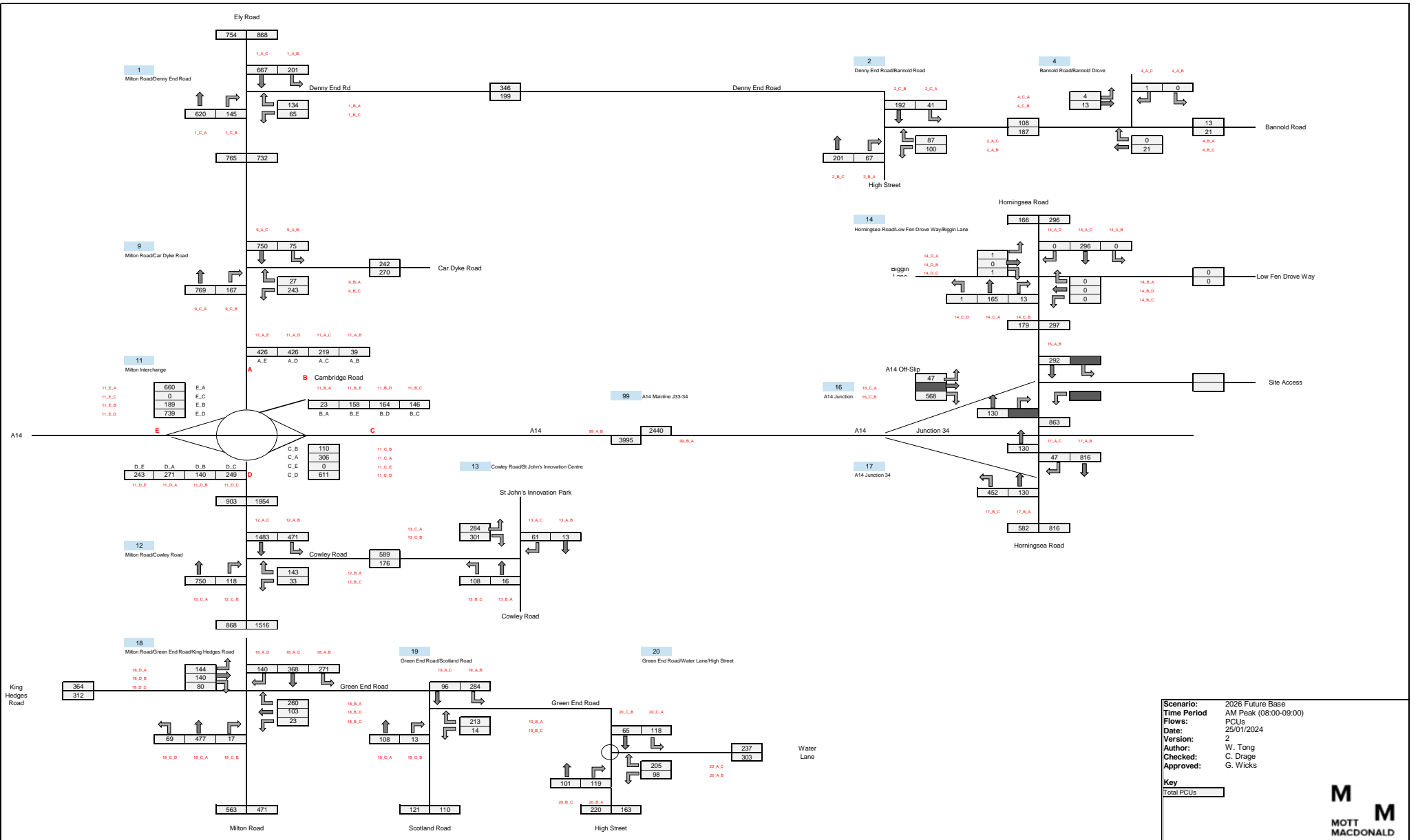


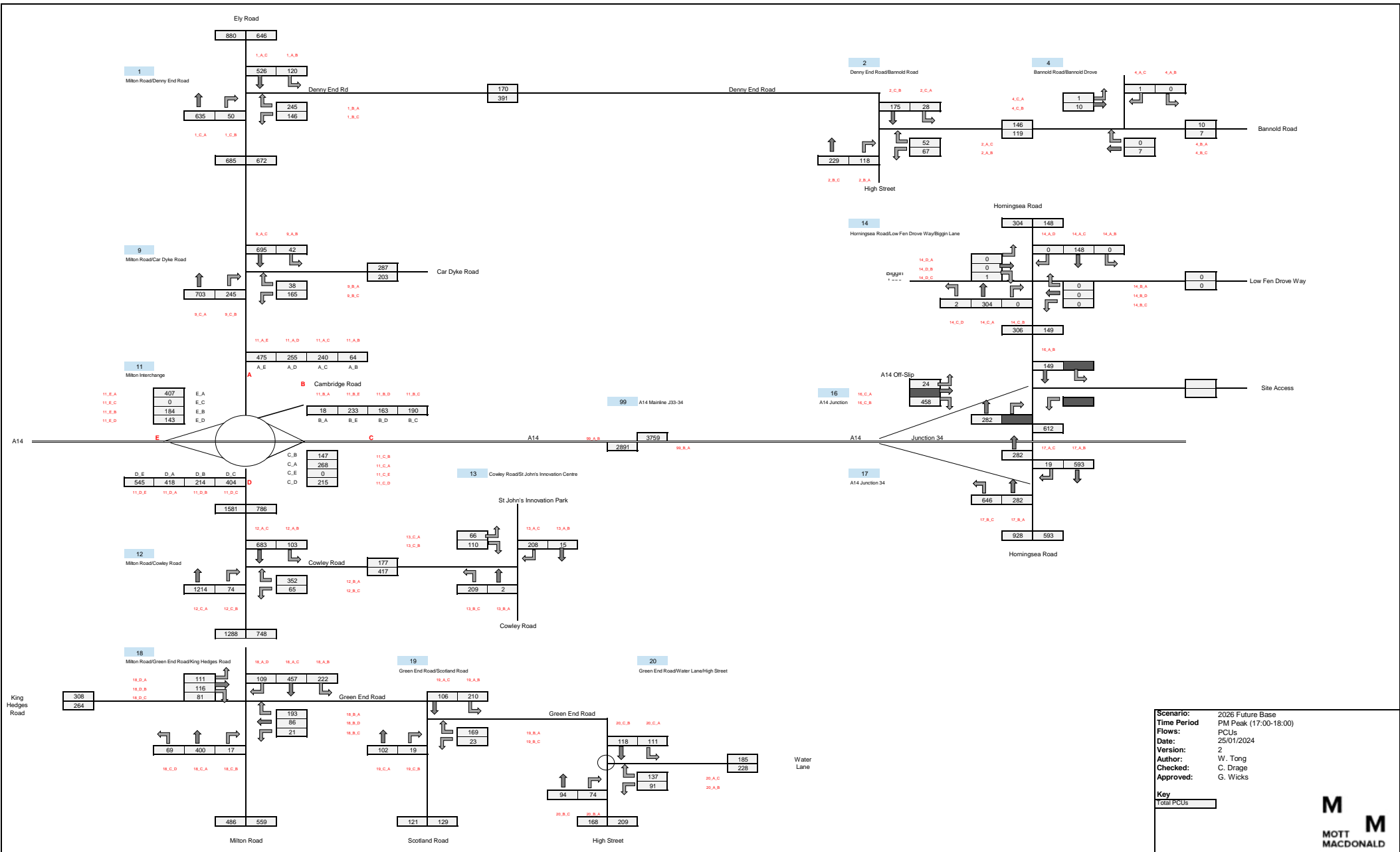


Scenario: 2021 Base
Time Period: PM Peak (17:00-18:00)
Flows: PCUs
Date: 25/01/2024
Version: 2
Author: W. Tong
Checked: C. Drage
Approved: G. Wicks

Key
 Total PCUs



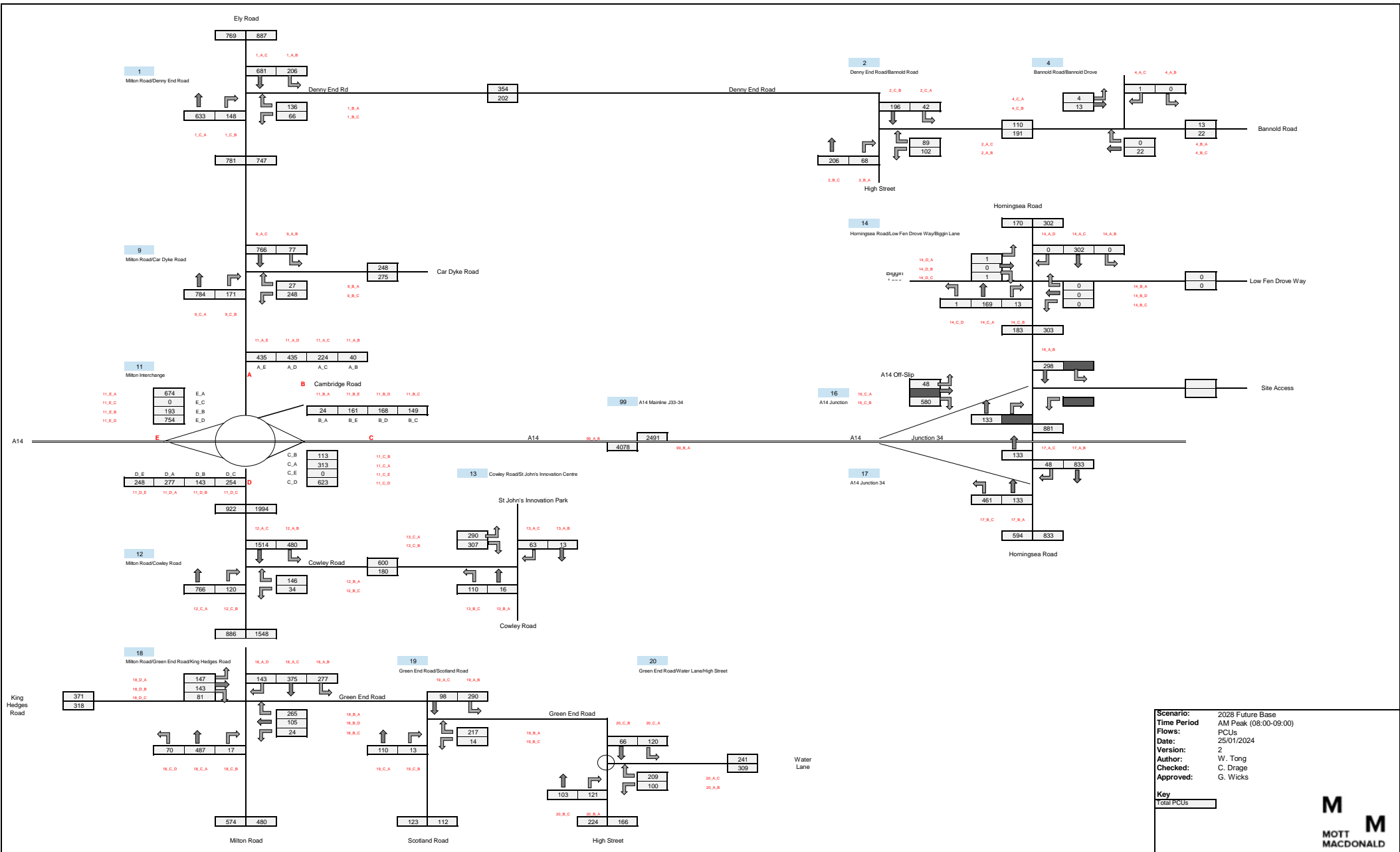




Scenario: 2026 Future Base
Time Period: PM Peak (17:00-18:00)
Flows: PCUs
Date: 25/01/2024
Version: 2
Author: W. Tong
Checked: C. Drage
Approved: G. Wicks

Key
 1 Gtall PCUs

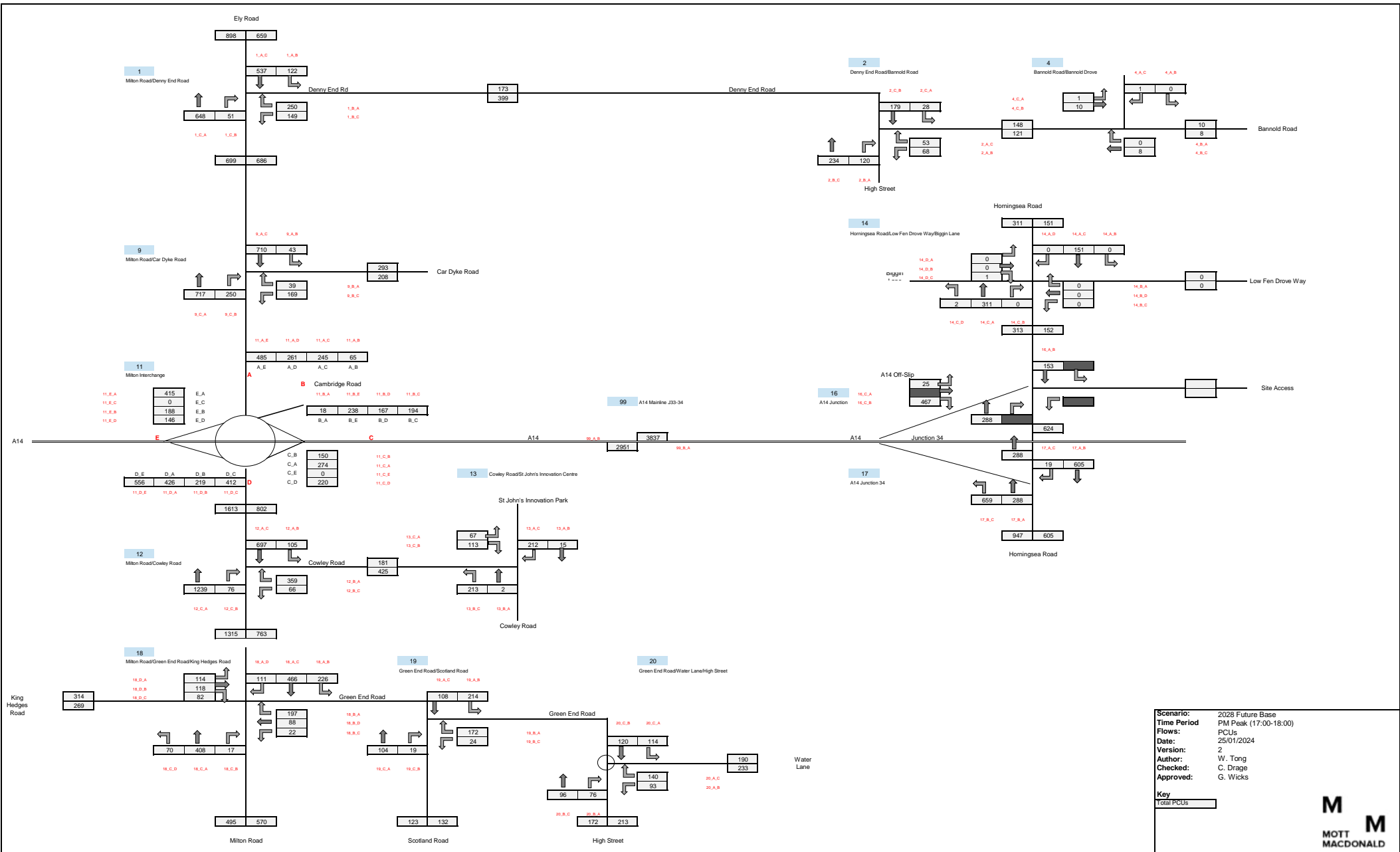




Scenario: 2028 Future Base
Time Period: AM Peak (08:00-09:00)
Flows: FCUs
Dates: 25/01/2024
Version: 2
Author: W. Tong
Checked: C. Drage
Approved: G. Wicks

Key
 Total FCUs

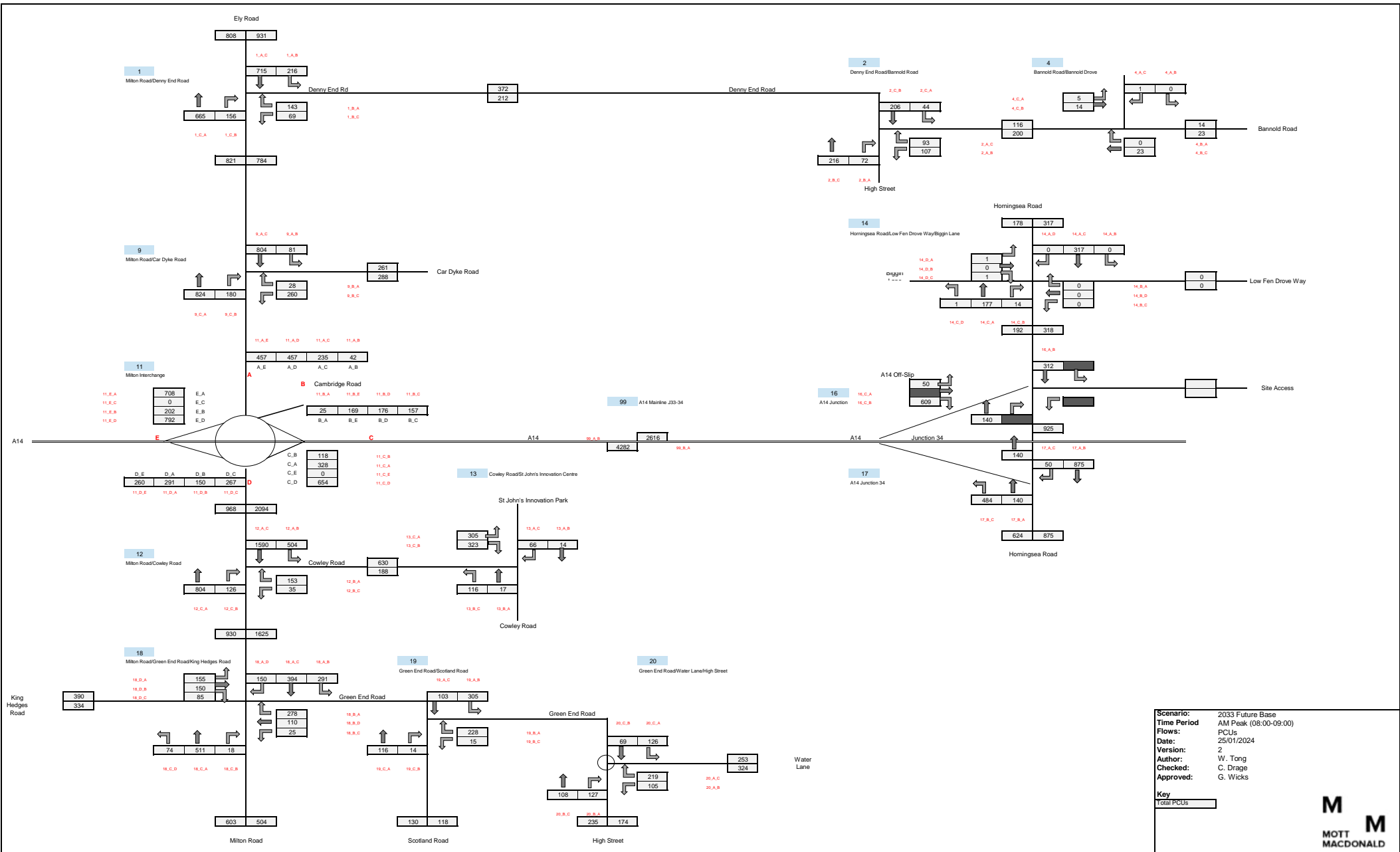




Scenario: 2028 Future Base
Time Period: PM Peak (17:00-18:00)
Flows: PCUs
Date: 25/01/2024
Version: 2
Author: W. Tong
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Approved: G. Wicks

Key
 Total PCUs

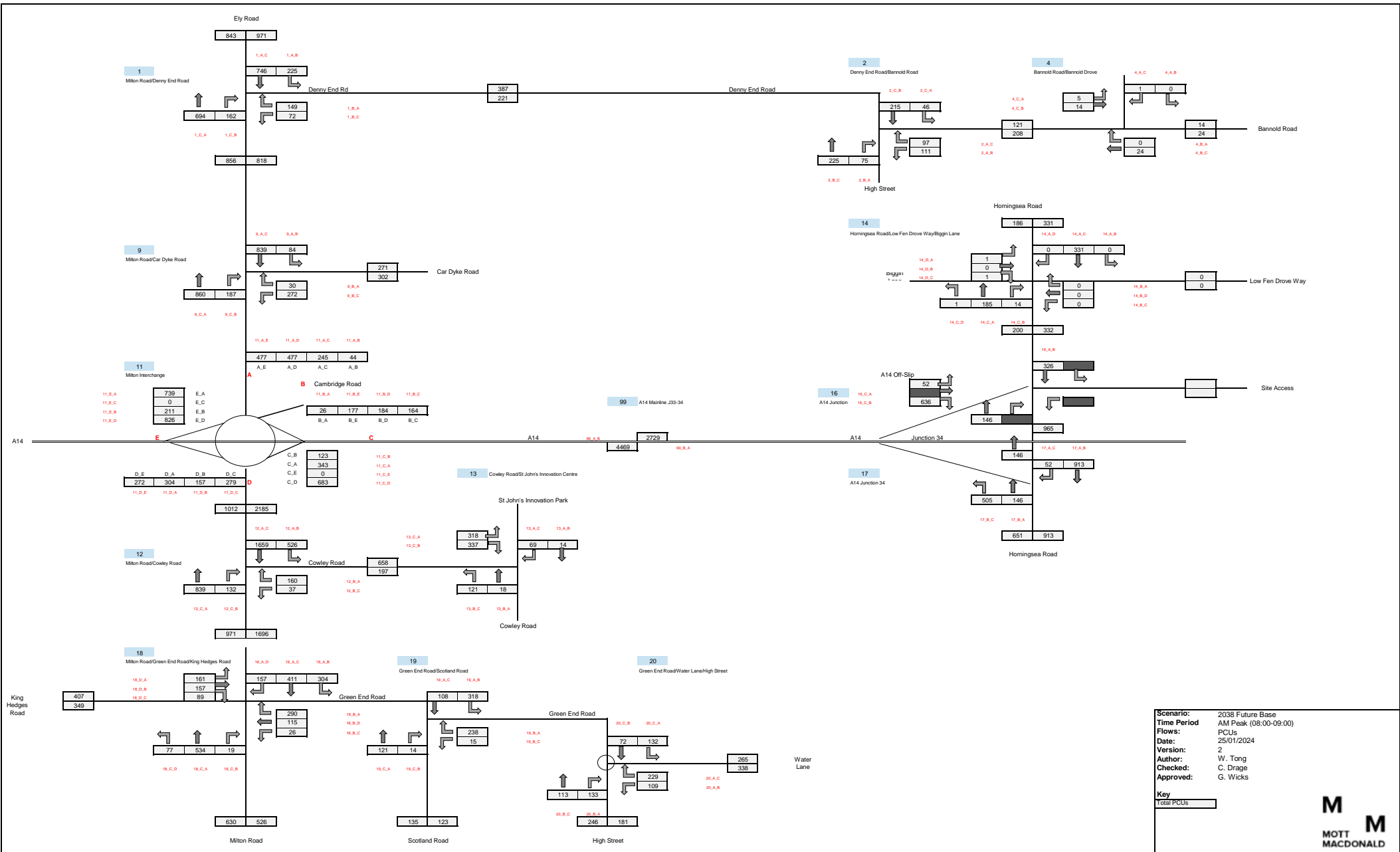




Scenario: 2033 Future Base
Time Period: AM Peak (08:00-09:00)
Flows: FCUs
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Author: W. Tong
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 Total FCUs

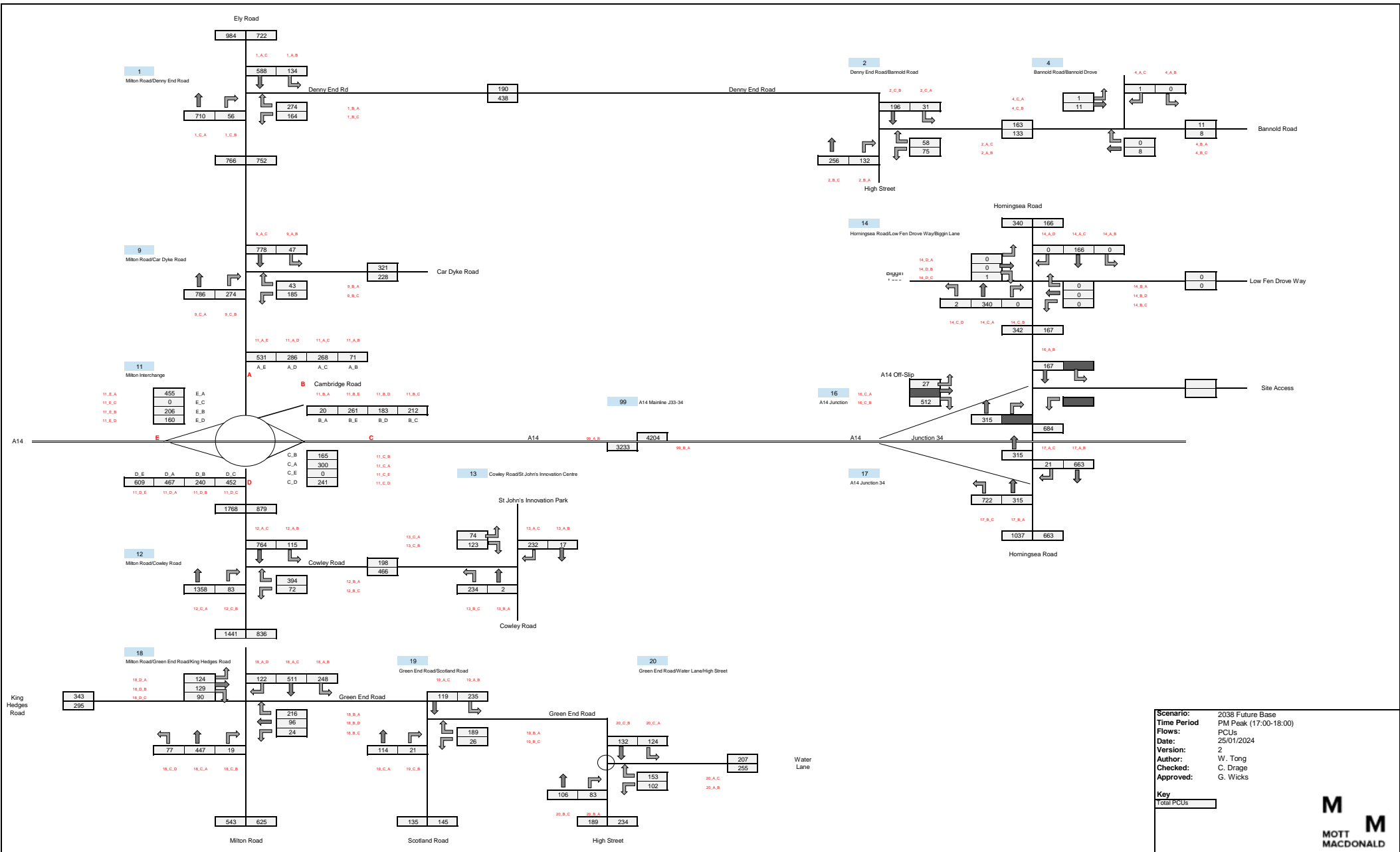




Scenario: 2038 Future Base
Time Period: AM Peak (08:00-09:00)
Flows: PCUs
Date: 25/01/2024
Version: 2
Author: W. Tong
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Key
 Total PCUs





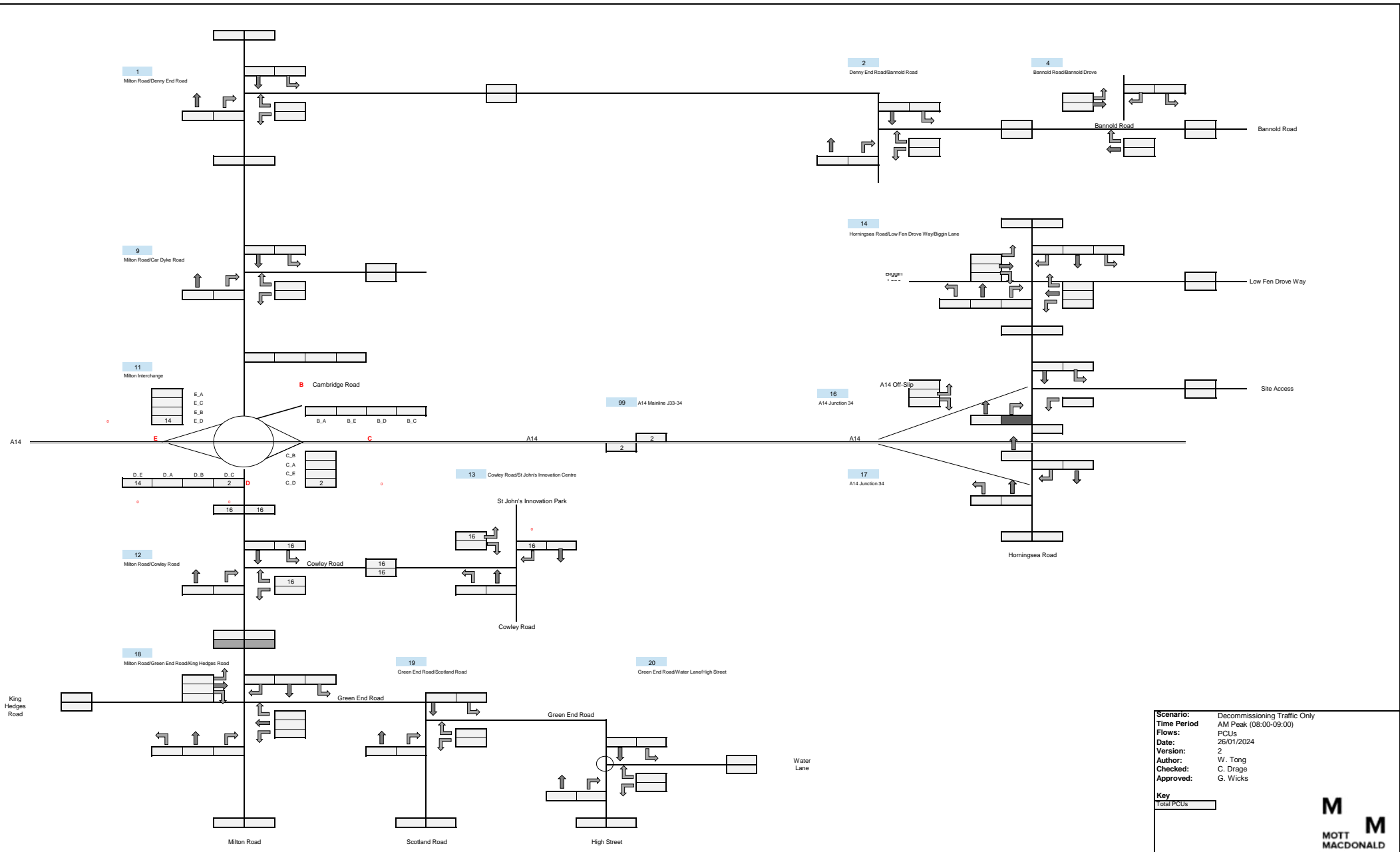
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Approved: G. Wicks

Key
 Total PCUs



Traffic Flow Diagrams (PCUs)

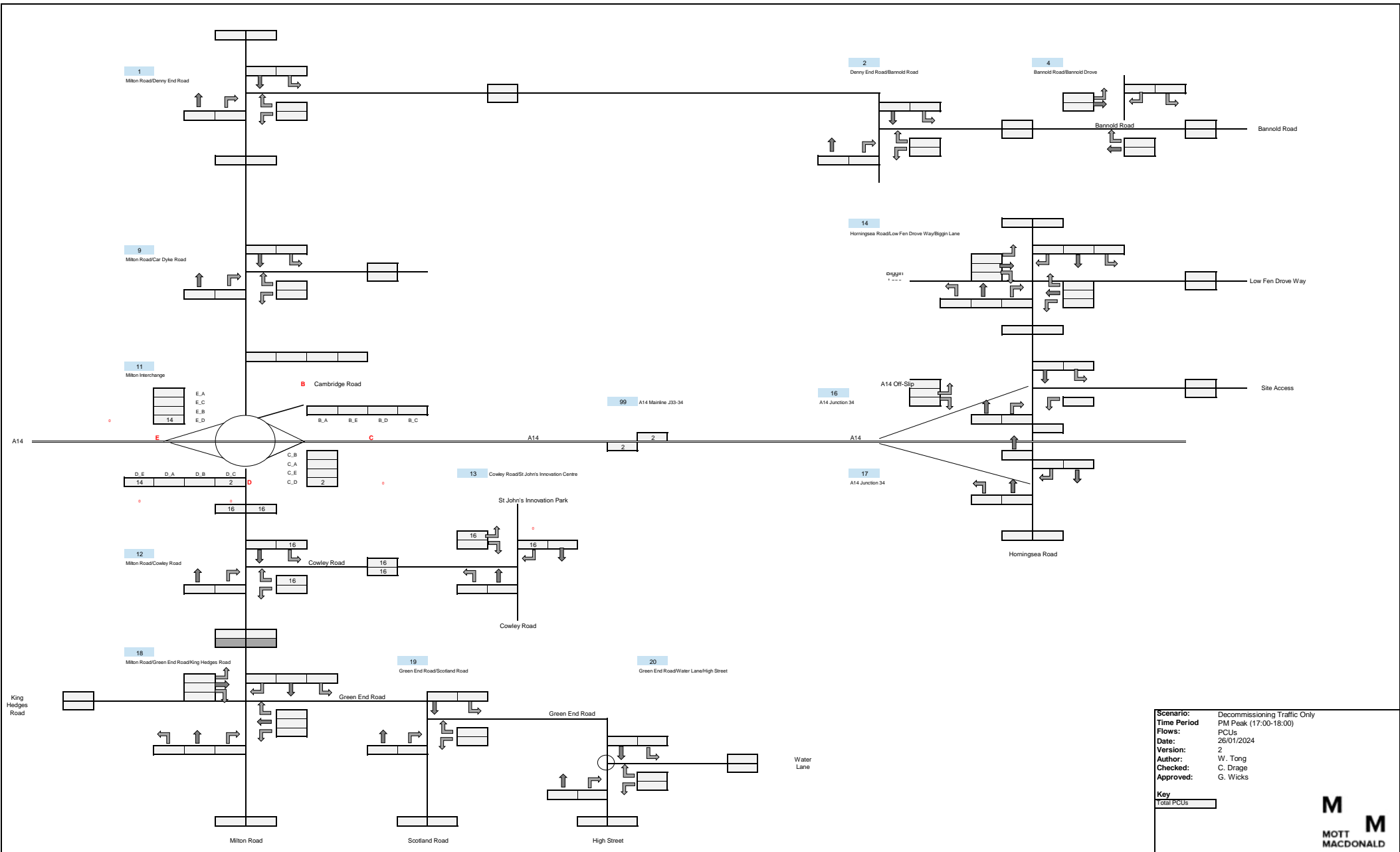
Decommissioning



Scenario: Decommissioning Traffic Only
Time Period: AM Peak (08:00-09:00)
Flows: PCUs
Date: 26/01/2024
Version: 2
Author: W. Tong
Checked: C. Drage
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Key
 Total PCUs

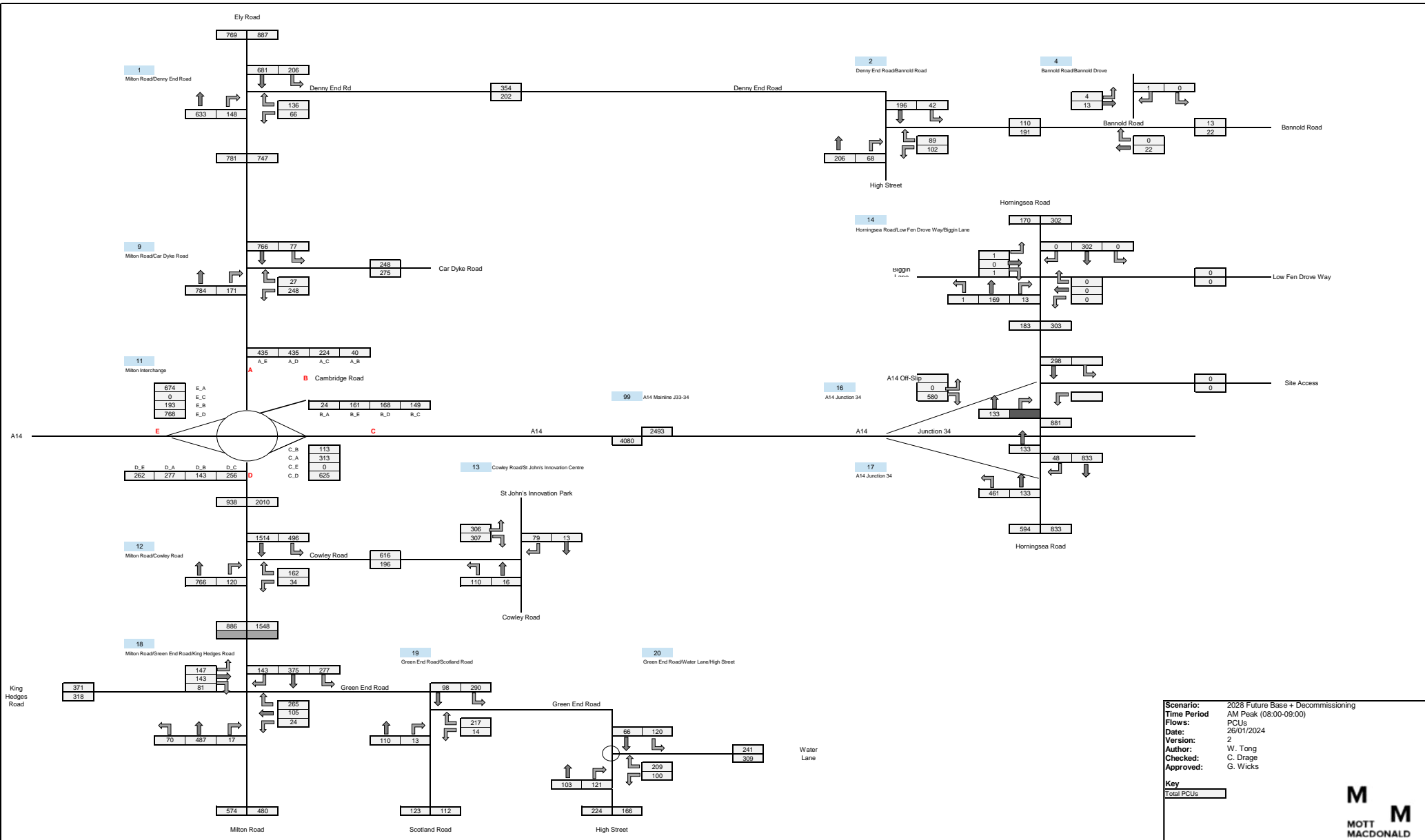




Scenario: Decommissioning Traffic Only
Time Period: PM Peak (17:00-18:00)
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Version: 2
Author: W. Tong
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Key
 Total PCUs

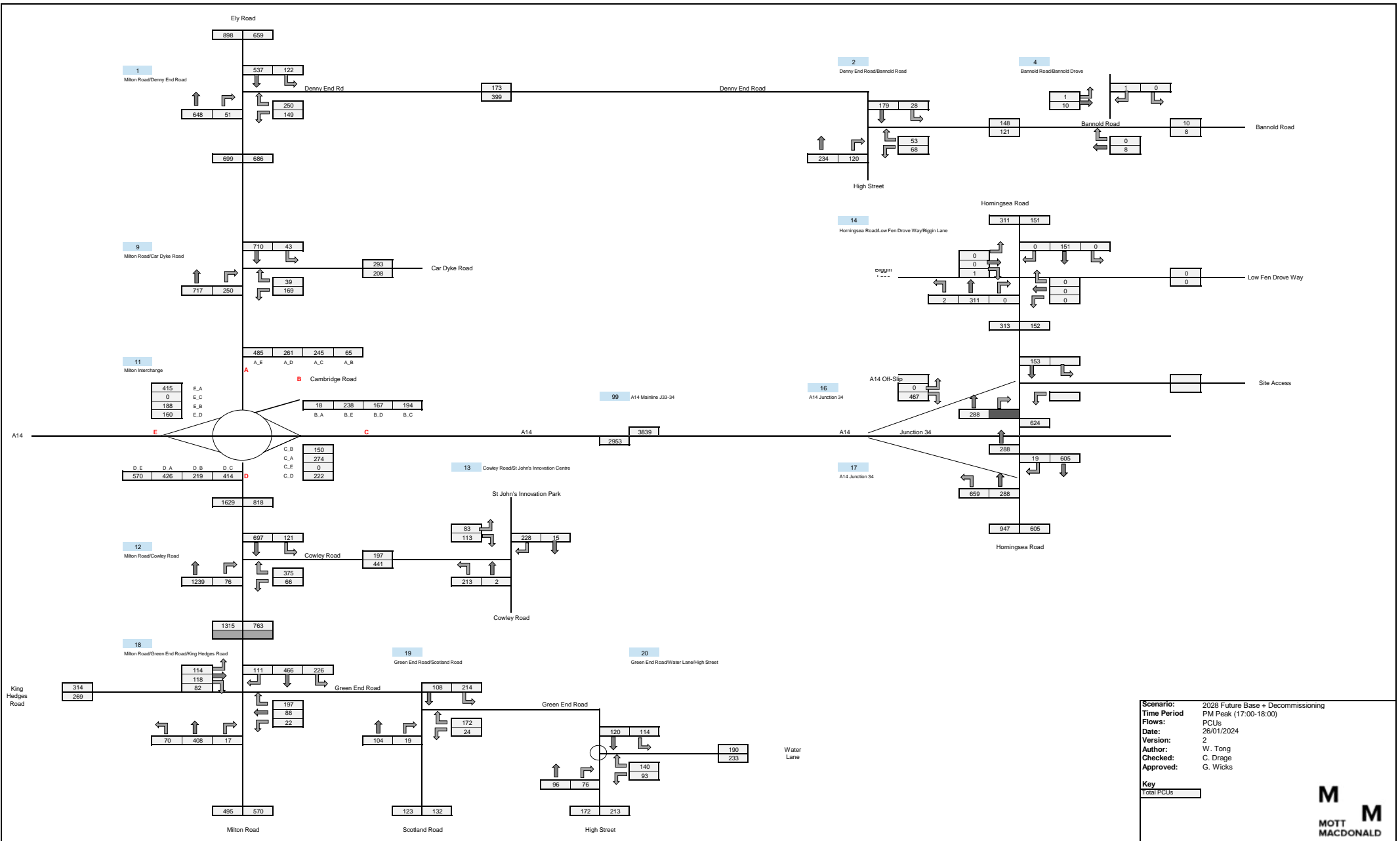




Scenario: 2028 Future Base + Decommissioning
Time Period: AM Peak (08:00-09:00)
Flows: PCUs
Date: 26/01/2024
Version: 2
Author: W. Tong
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Approved: G. Wicks

Key
 Total PCUs





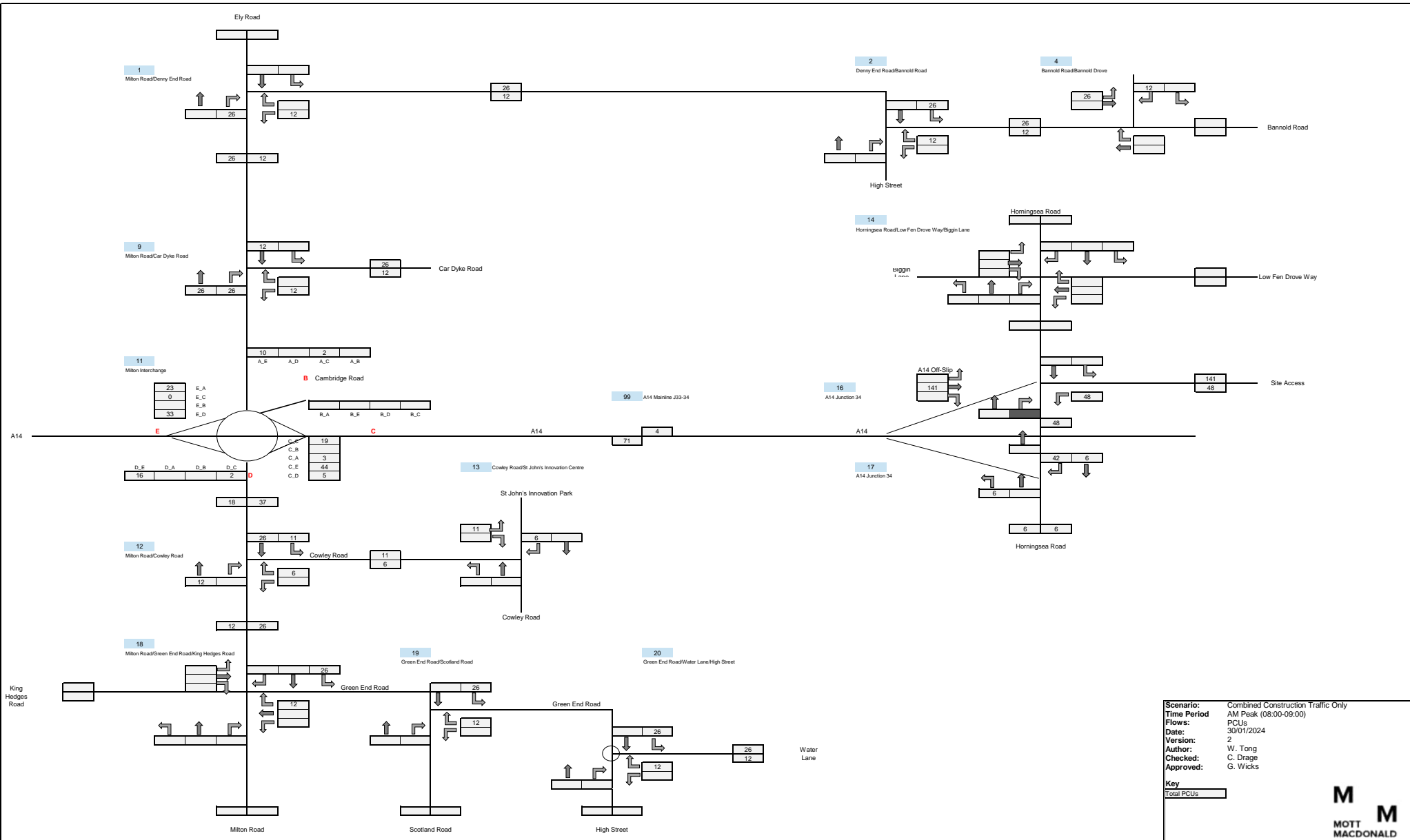
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Author: W. Tong
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Key
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Traffic Flow Diagrams (PCUs)

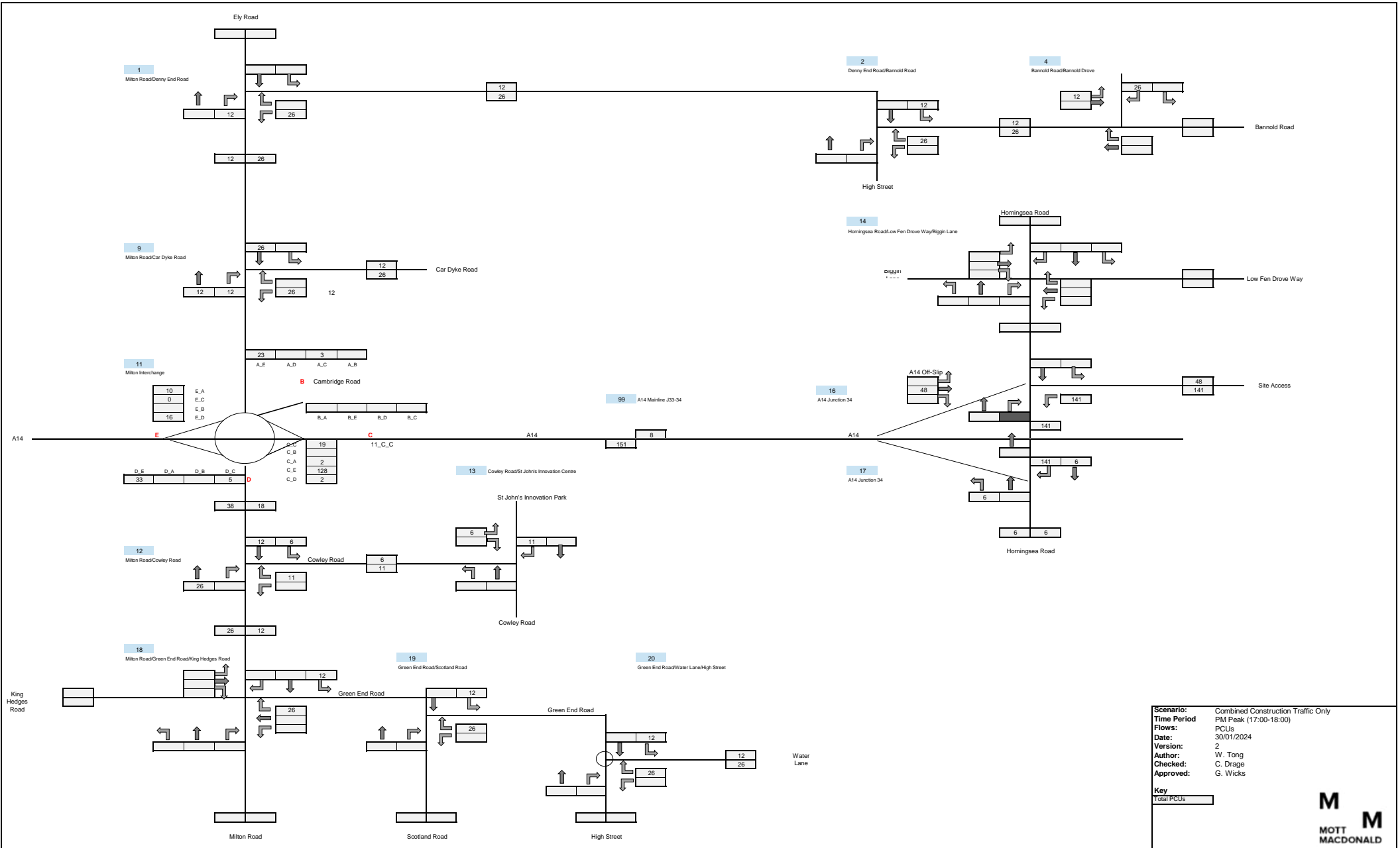
Construction



Scenario: Combined Construction Traffic Only
Time Period: AM Peak (08:00-09:00)
Flows: PCUs
Date: 30/01/2024
Version: 2
Author: W. Tong
Checked: C. Drage
Approved: G. Wicks

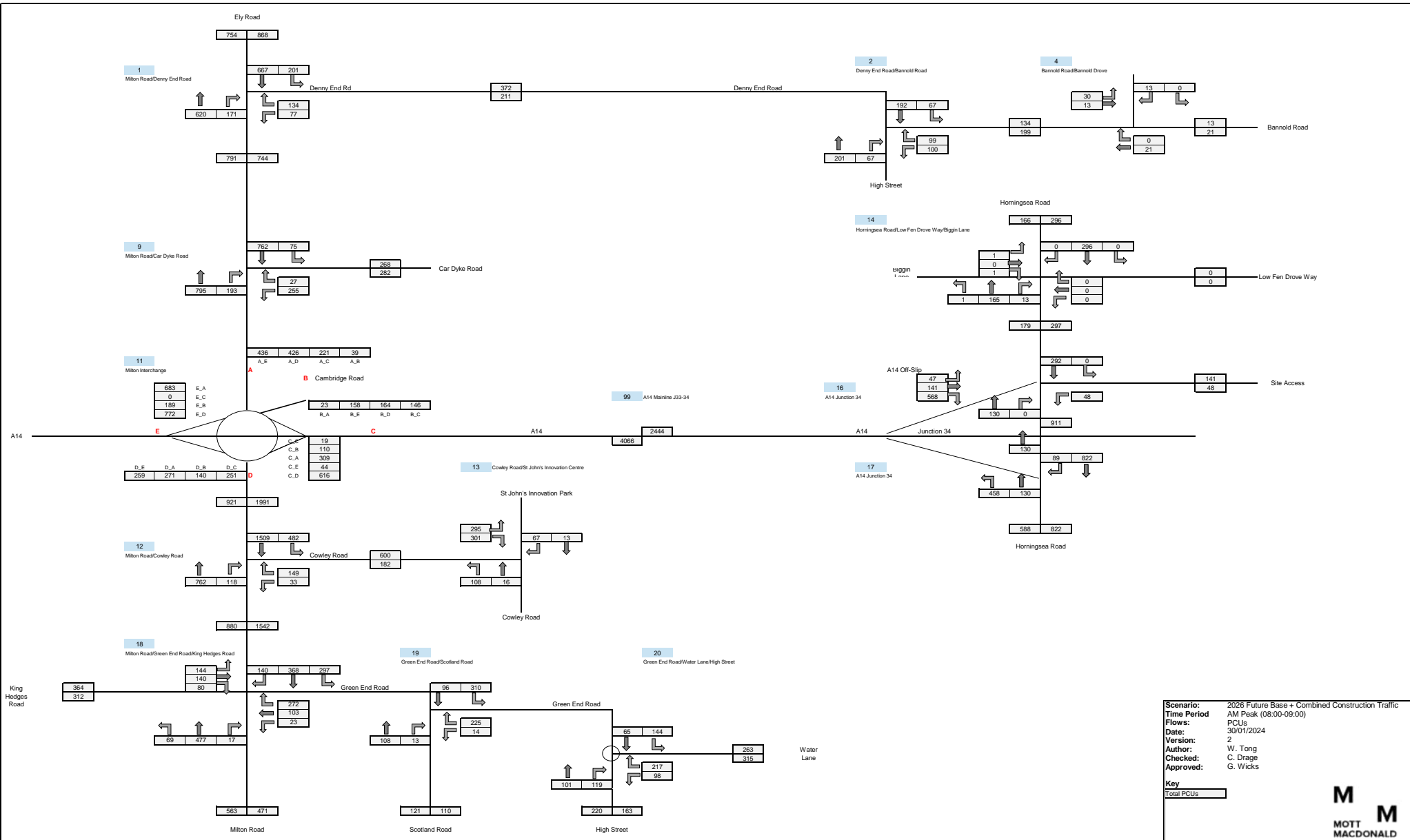
Key
 Total PCUs





Scenario: Combined Construction Traffic Only
Time Period: PM Peak (17:00-18:00)
Flows: PCUs
Date: 30/01/2024
Version: 2
Author: W. Tong
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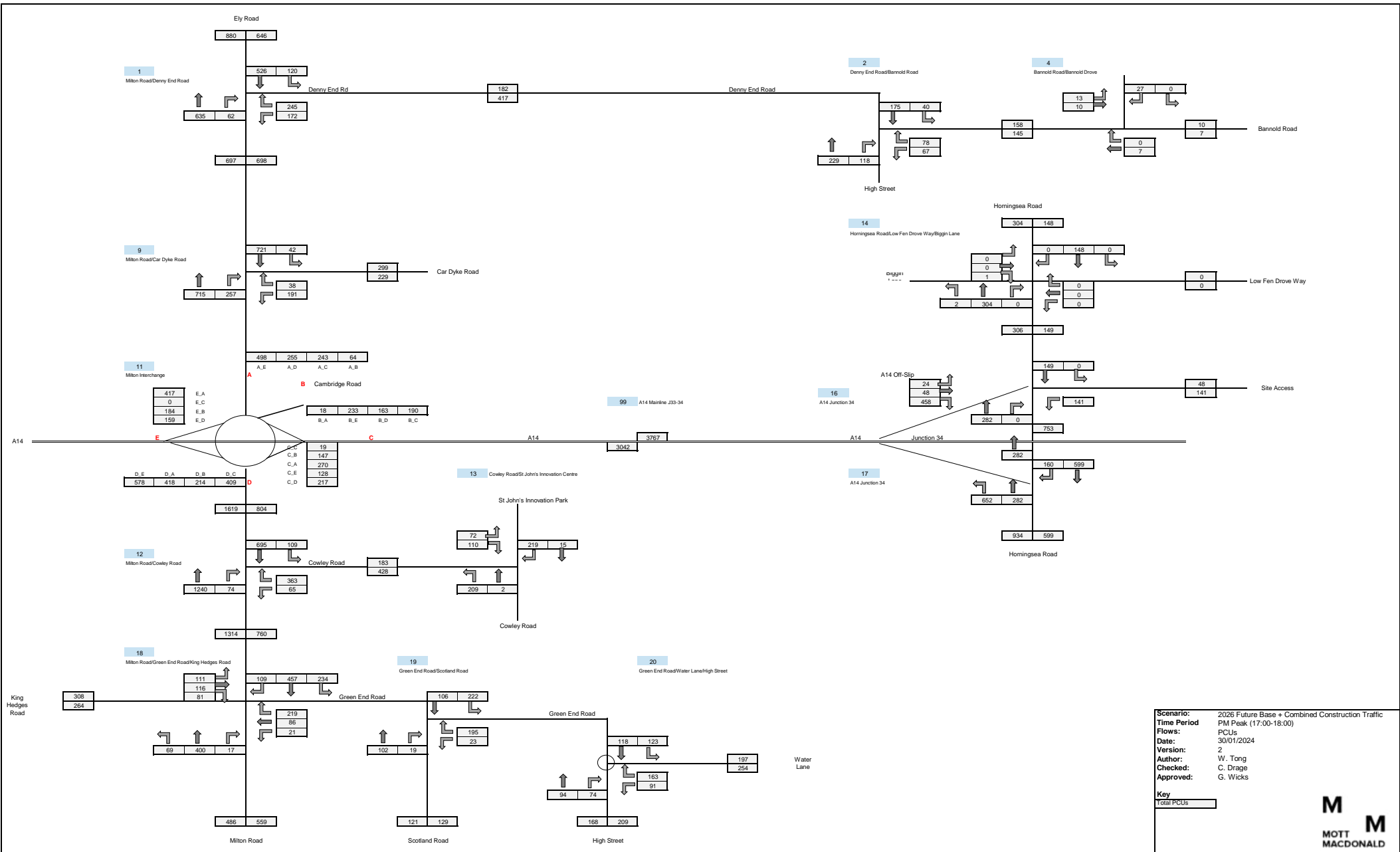
Key
 Total PCUs



Scenario: 2026 Future Base + Combined Construction Traffic
Time Period: AM Peak (08:00-09:00)
Flows: PCUs
Date: 30/01/2024
Version: 2
Author: W. Tong
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Key
 Total PCUs





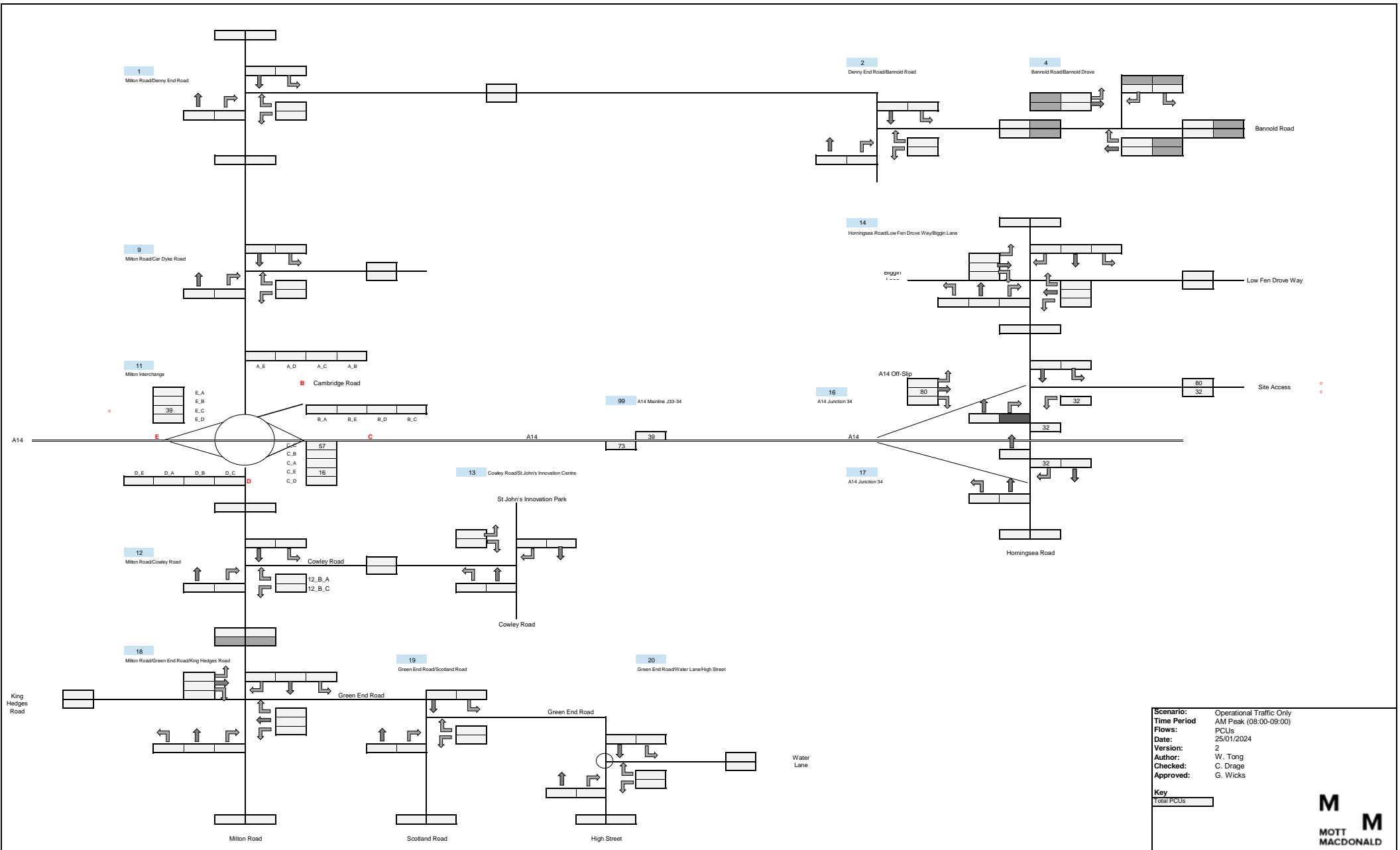
Scenario: 2026 Future Base + Combined Construction Traffic
Time Period: PM Peak (17:00-18:00)
Flows: FCUs
Date: 30/01/2024
Version: 2
Author: W. Tong
Checked: C. Drage
Approved: G. Wicks

Key
 Total FCUs



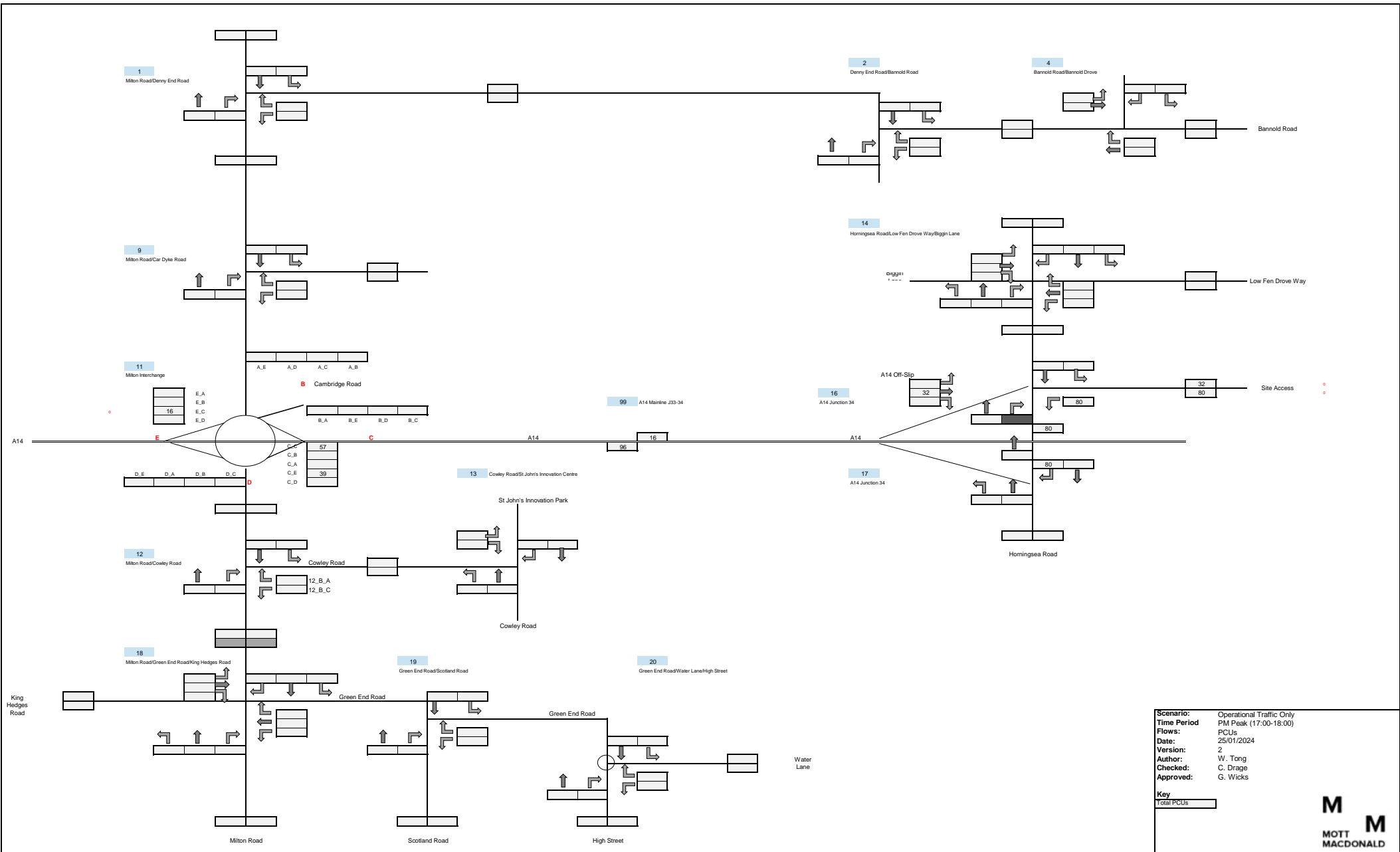
Traffic Flow Diagrams (PCUs)

Operation



Scenario:	Operational Traffic Only
Time Period:	AM Peak (08:00-09:00)
Flows:	PCUs
Date:	25/01/2024
Version:	2
Author:	W. Tong
Checked:	C. Drage
Approved:	G. Wicks
Key	
1000 PCUs	

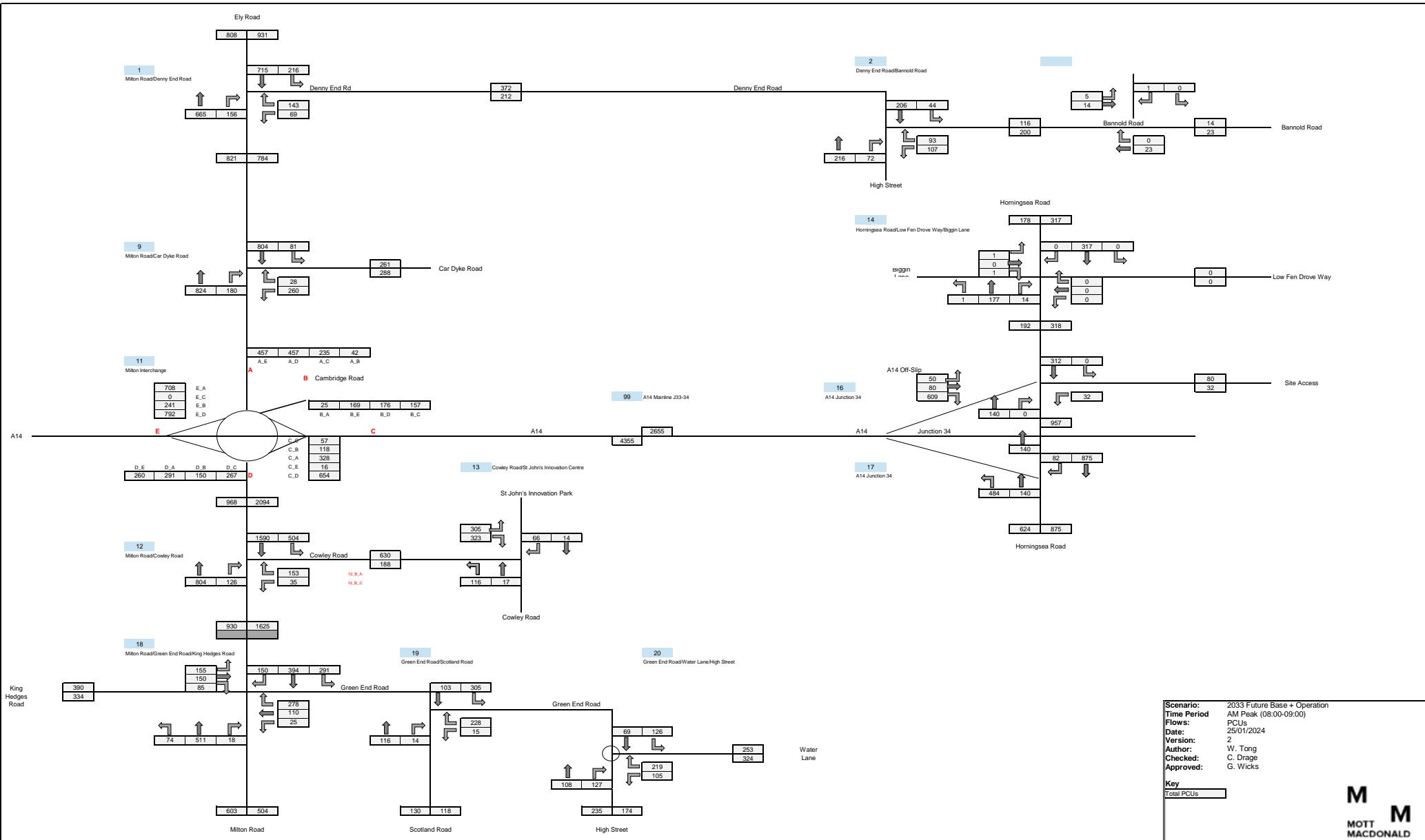




Scenario: Operational Traffic Only
Time Period: PM Peak (17:00-18:00)
Flows: PCUs
Date: 25/01/2024
Version: 2
Author: W. Tong
Checked: C. Drage
Approved: G. Wicks

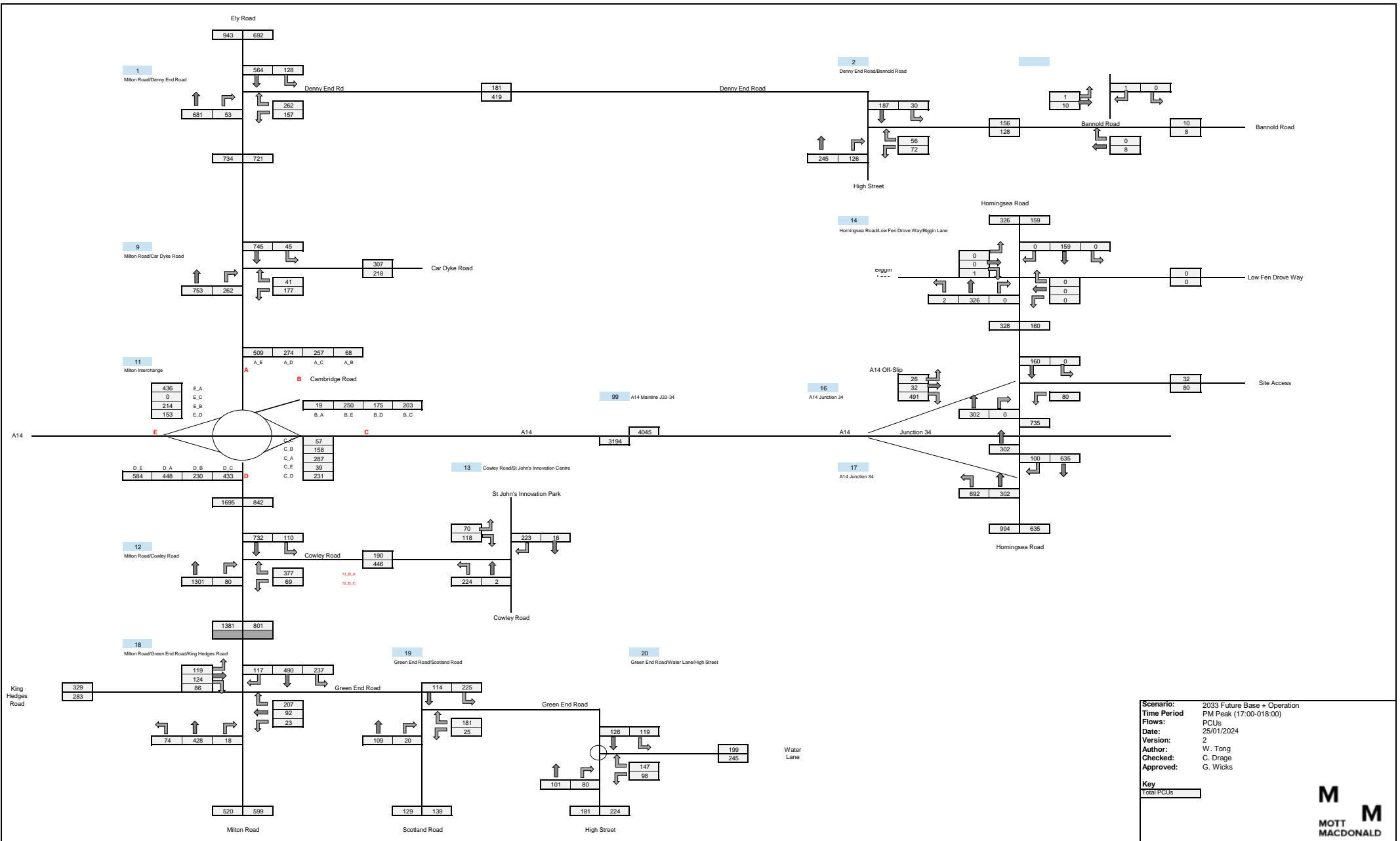
Key
 Total PCUs





Scenario: 2033 Future Base + Operation
Time Period: AM Peak (08:00-09:00)
Flows: PCUs
Date: 25/01/2024
Version: 2
Author: W. Tong
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Key:
 Total PCUs

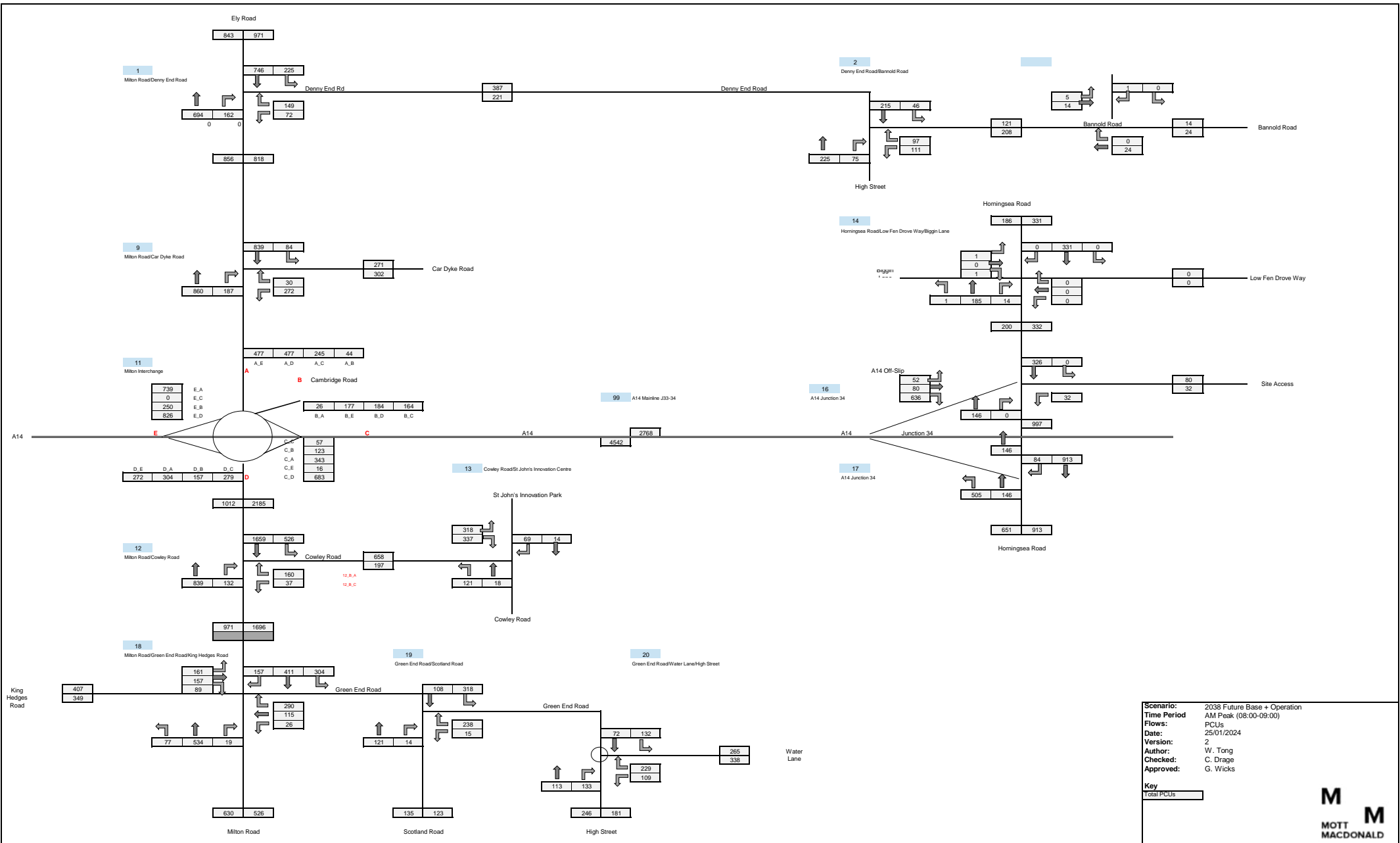




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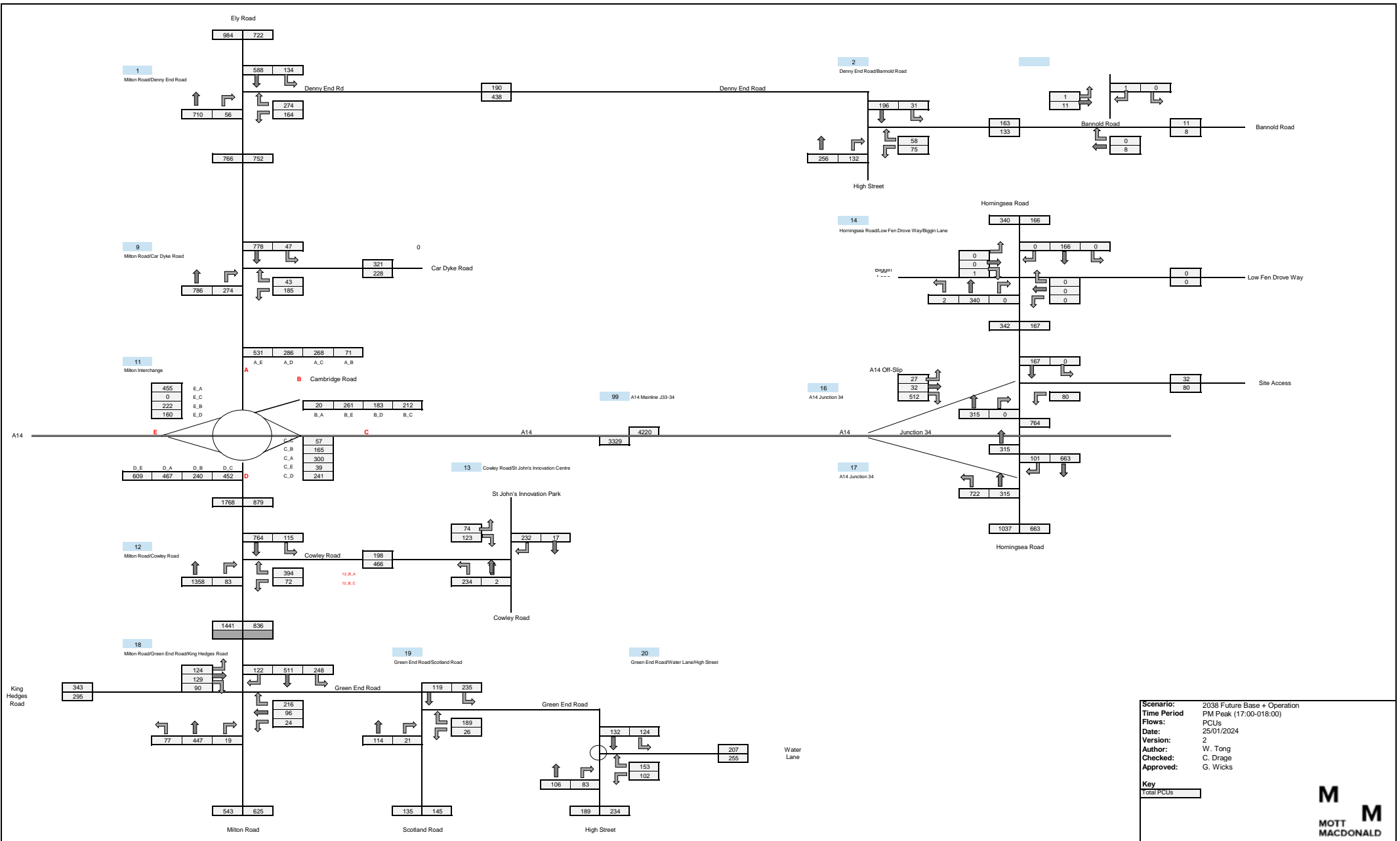




Scenario: 2038 Future Base + Operation
Time Period: AM Peak (08:00-09:00)
Flows: PCUs
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Version: 2
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Scenario: 2038 Future Base + Operation
Time Period: PM Peak (17:00-018:00)
Flows: PCUs
Date: 25/01/2024
Version: 2
Author: W. Tong
Checked: C. Drage
Approved: G. Wicks

Key
 Total PCUs



Get in touch

You can contact us by:



Emailing at info@cwwtpr.com



Calling our Freephone information line on **0808 196 1661**



Writing to us at **Freepost: CWWTPR**

You can view all our DCO application documents and updates on the application on The Planning Inspectorate website:

<https://infrastructure.planninginspectorate.gov.uk/projects/eastern/cambridge-waste-water-treatment-plant-relocation/>