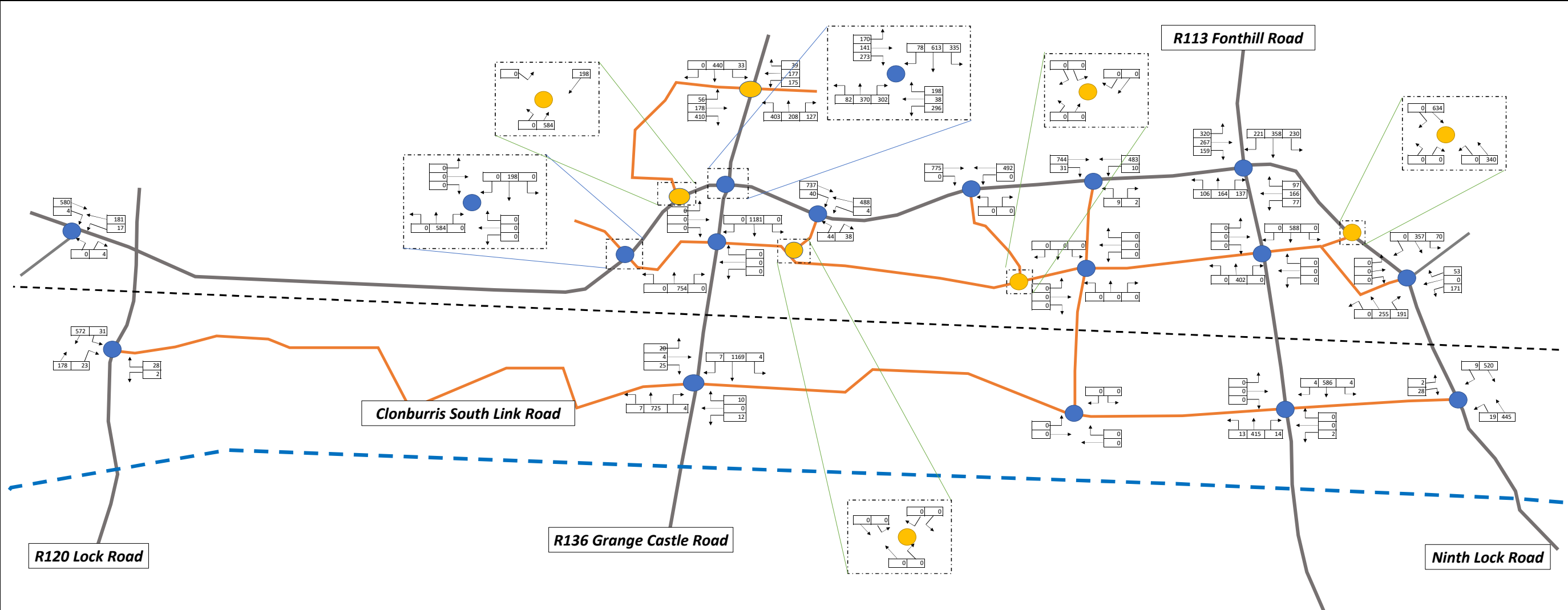
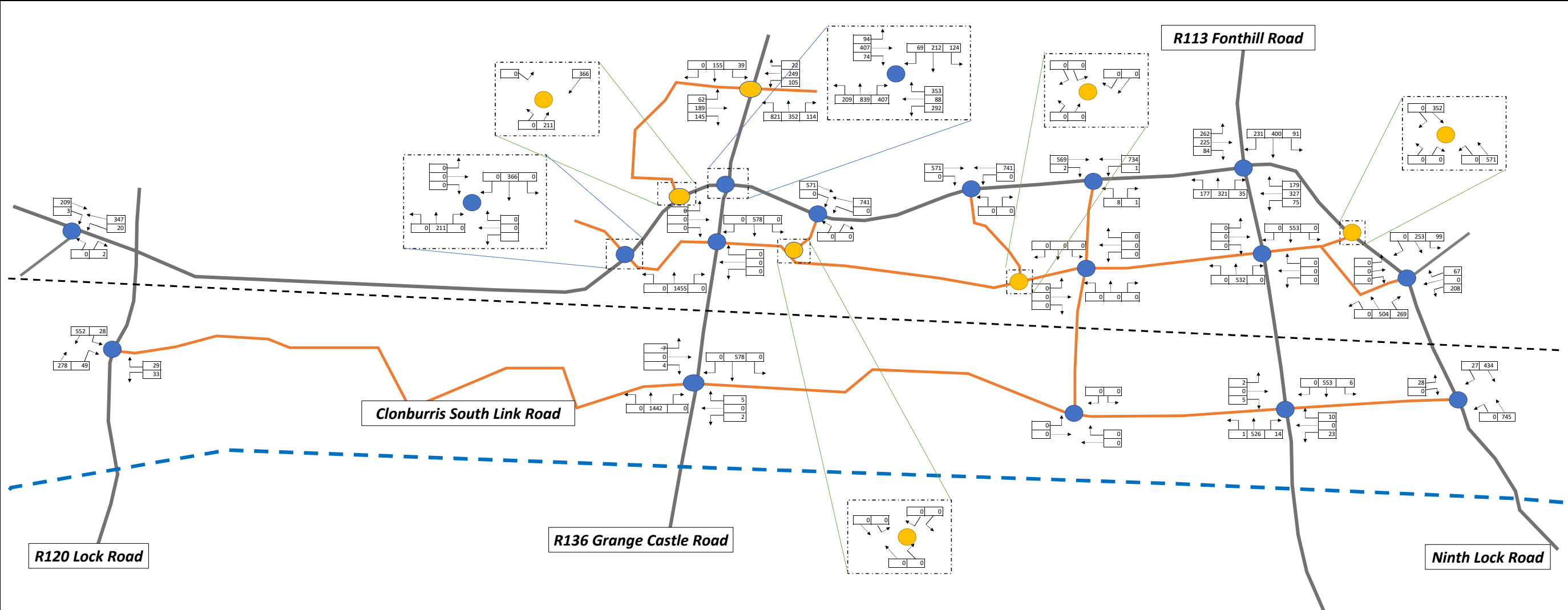


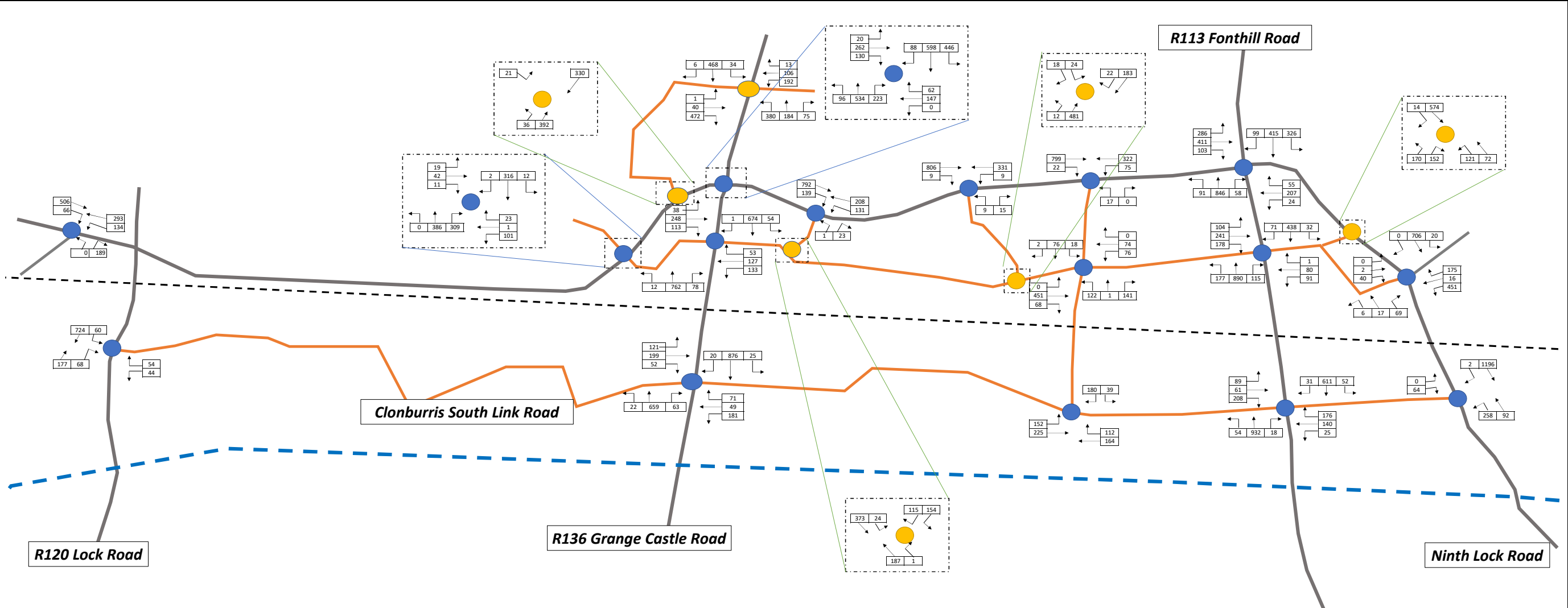
APPENDIX 13.1 – NETWORK TRAFFIC FLOWS- VEHICLES



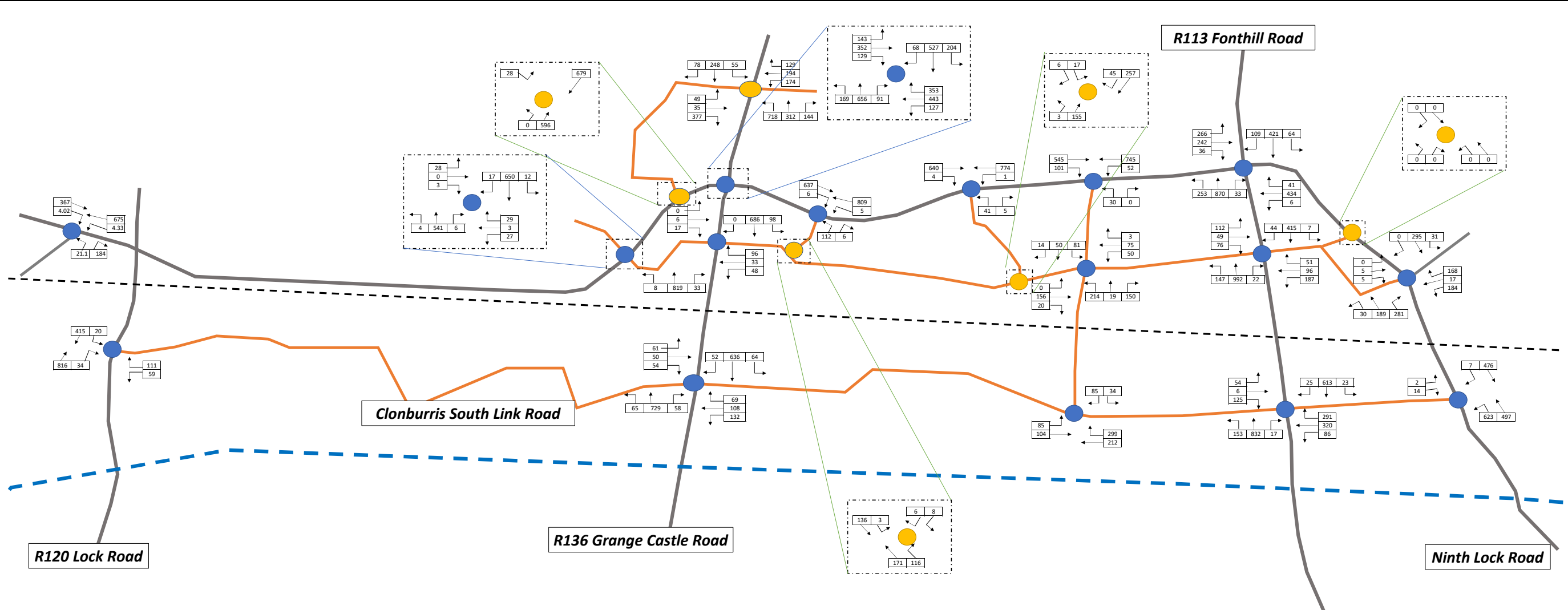
DBFL CONSULTING ENGINEERS DBFL Consulting Engineers	Dublin Office: Ormond House, Upper Ormond Quay, Dublin 7 phone: +353 1 400 4000	Project : KNW Site 3, 4 & 5 Clonburris SDZ	Key: AM Peak Hour (0800 to 0900) PM Peak Hour (1700 to 1800)	Dwn: DJG	Ckd: DPM	Date: 24/02/2025
	Waterford Office: Suite 8b, The Atrium, Maritana Gate, Canada St phone: +353 51 309 500			Ref: p230156/calcs/excel		
	email: info@dbfl.ie website: www.dbfl.ie	DRG. Title : Network Traffic Flows - Vehicles 2023 AM Base		Figure: 1		Rev: -



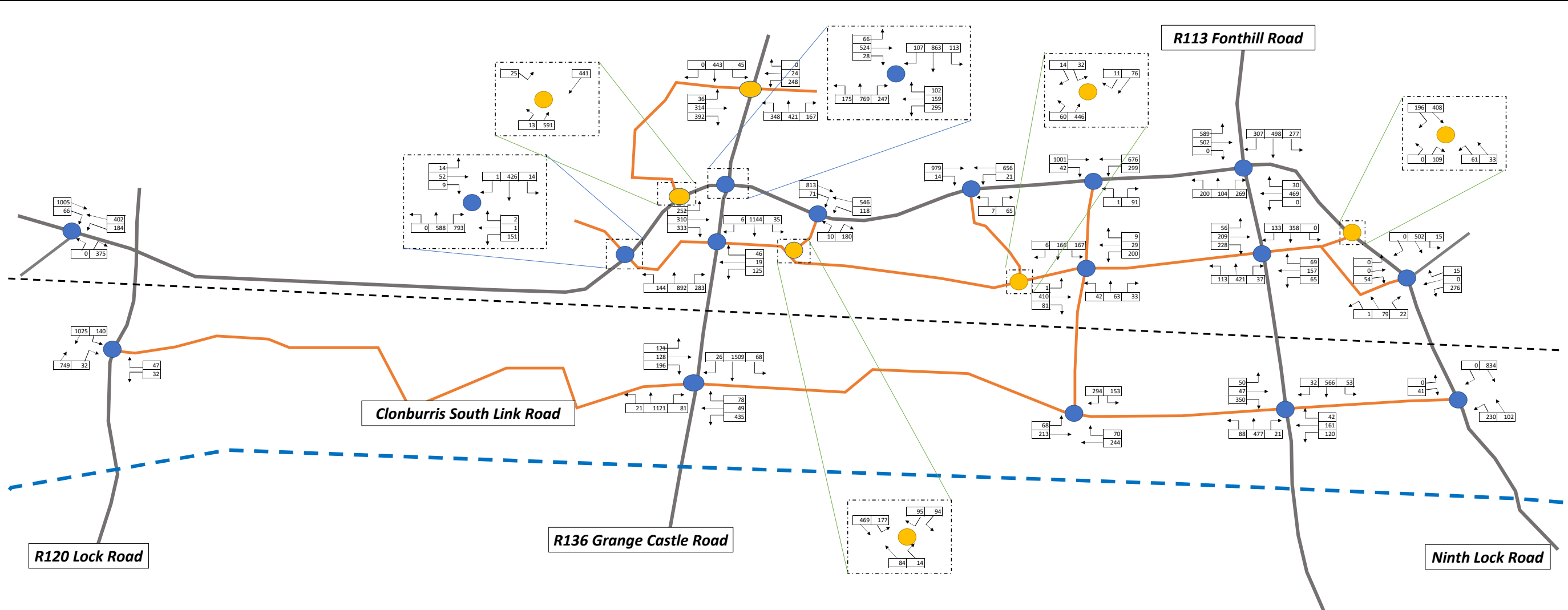
DBFL CONSULTING ENGINEERS DBFL Consulting Engineers	Dublin Office: Ormond House, Upper Ormond Quay, Dublin 7 phone: +353 1 400 4000 Waterford Office: Suite 8b, The Atrium, Maritana Gate, Canada St phone: +353 51 309 500 email: info@dbfl.ie website: www.dbfl.ie	Project : KNW Site 3, 4 & 5 Clonburris SDZ DRG. Title : Network Traffic Flows - Vehicles 2023 PM Base	Key: AM Peak Hour (0800 to 0900) PM Peak Hour (1700 to 1800)	Dwn: DJG Ckd: DPM Date: 24/02/2025
	Ref: p230156/calcs/excel			
	Figure: 2		Rev: -	



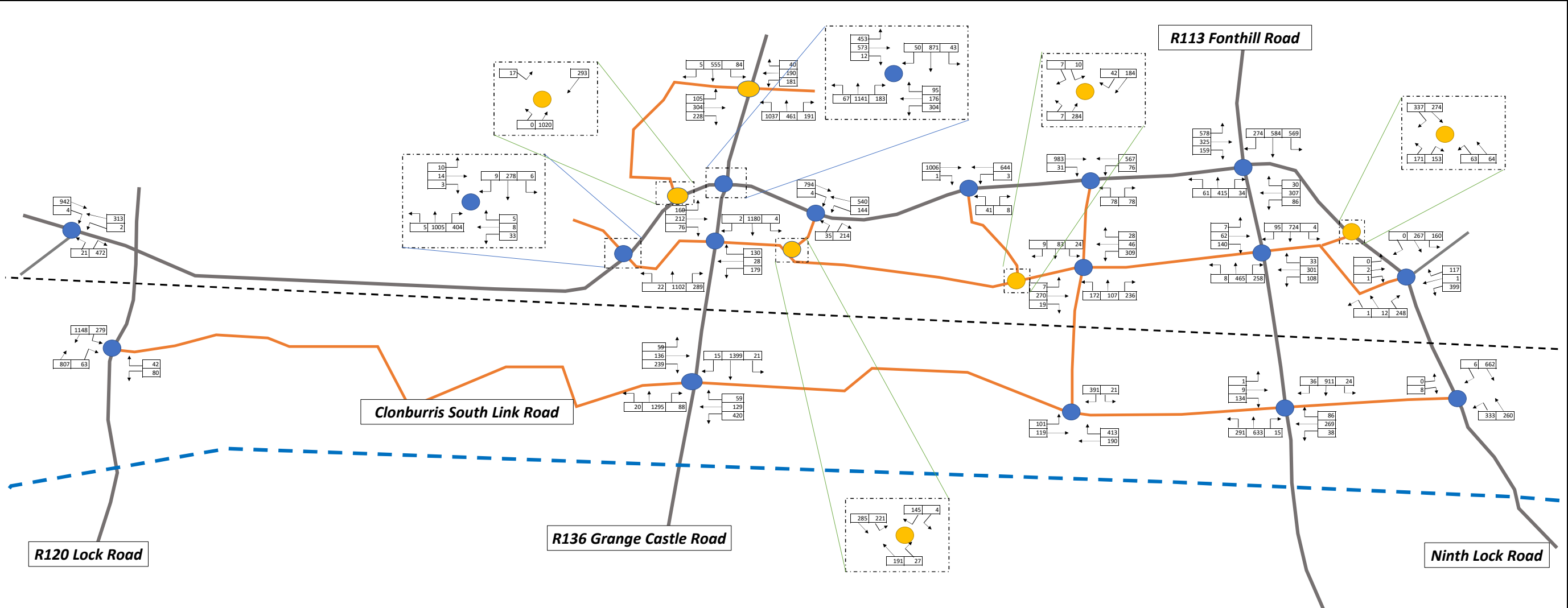
DBFL CONSULTING ENGINEERS DBFL Consulting Engineers	Dublin Office: Ormond House, Upper Ormond Quay, Dublin 7 phone: +353 1 400 4000 Waterford Office: Suite 8b, The Atrium, Maritana Gate, Canada St phone: +353 51 309 500 email: info@dbfl.ie website: www.dbfl.ie	Project : KNW Site 3, 4 & 5 Clonburris SDZ DRG. Title : Network Traffic Flows - Vehicles Do Nothing 2028 AM	Key: AM Peak Hour (0800 to 0900) PM Peak Hour (1700 to 1800)	Dwn: DJG Ckd: DPM Date: 24/02/2025 Ref: p230156/calcs/excel Figure: 3 Rev: -
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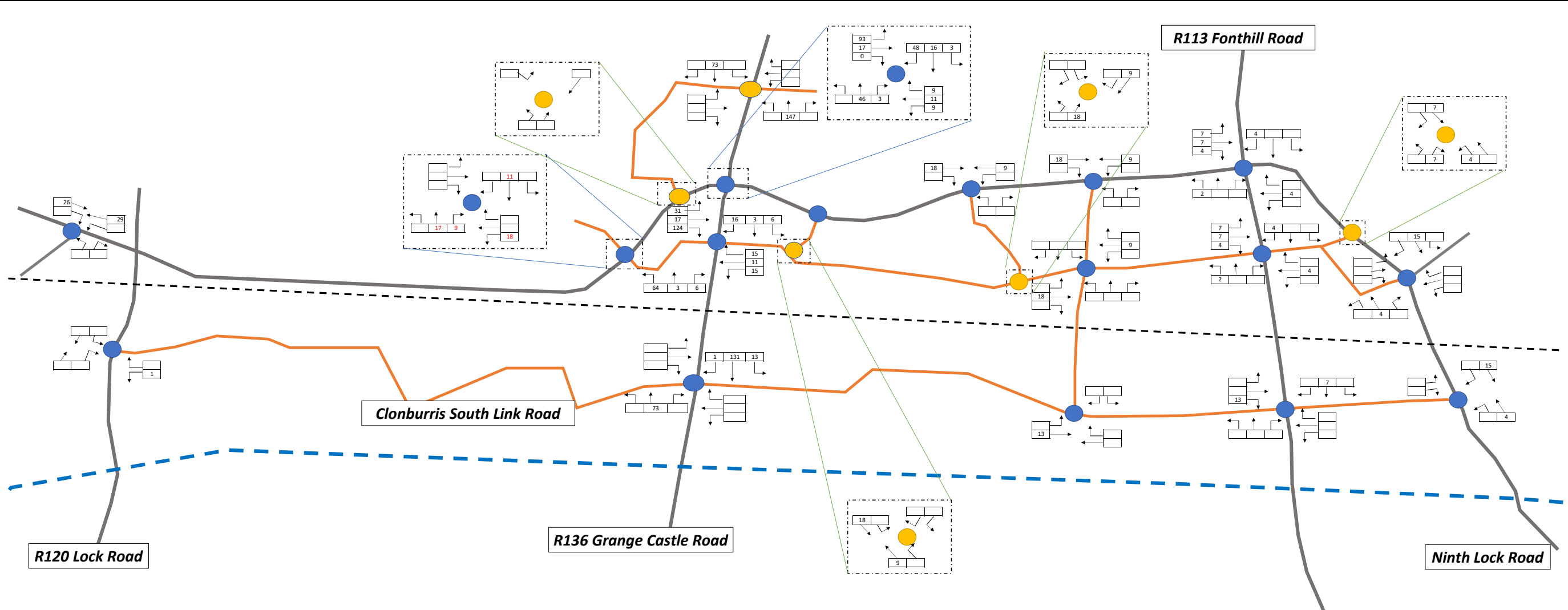
DBFL CONSULTING ENGINEERS DBFL Consulting Engineers	Dublin Office: Ormond House, Upper Ormond Quay, Dublin 7 phone: +353 1 400 4000 Waterford Office: Suite 8b, The Atrium, Maritana Gate, Canada St phone: +353 51 309 500 email: info@dbfl.ie website: www.dbfl.ie	Project : KNW Site 3, 4 & 5 Clonburris SDZ	Key: AM Peak Hour (0800 to 0900) PM Peak Hour (1700 to 1800)	Dwn: DJG	Ckd: DPM	Date: 24/02/2025	
	DRG. Title : Network Traffic Flows - Vehicles Do Nothing 2028 PM	Ref: p230156/calcs/excel					
	Figure: 4				Rev: -		



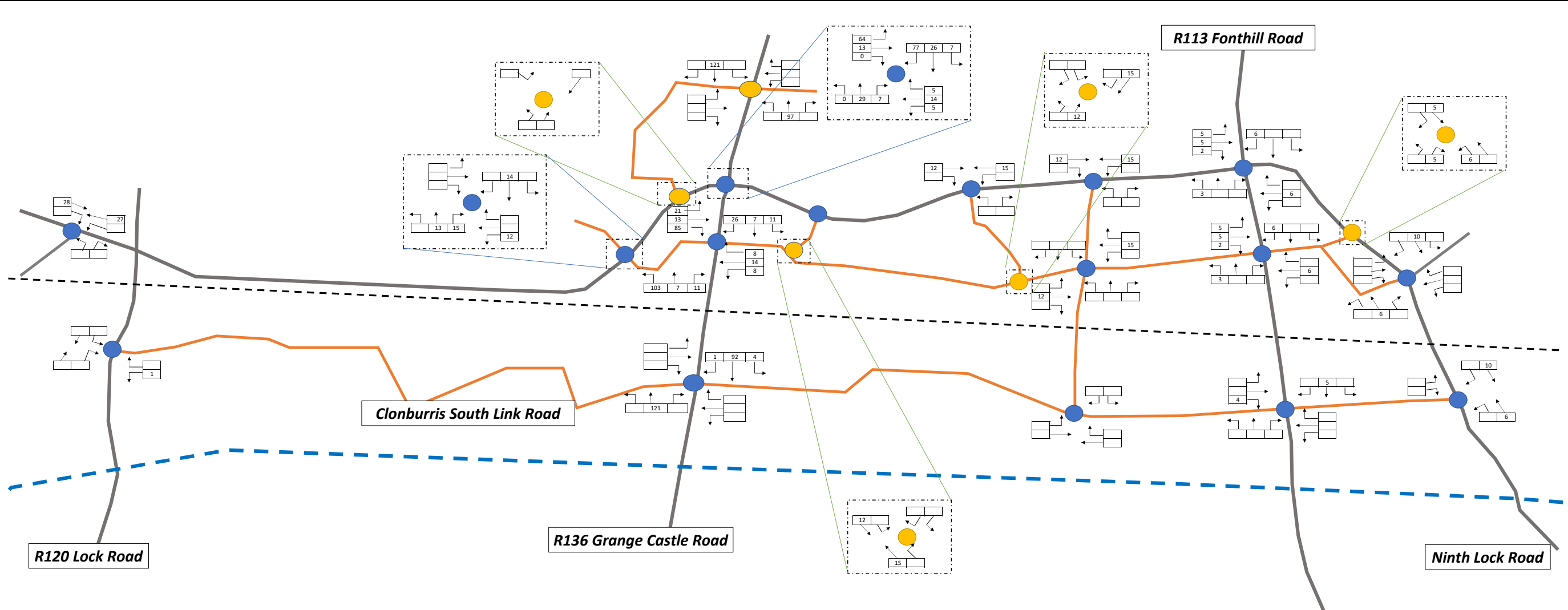
DBFL CONSULTING ENGINEERS DBFL Consulting Engineers	Dublin Office: Ormond House, Upper Ormond Quay, Dublin 7 phone: +353 1 400 4000	Project : KNW Site 3, 4 & 5 Clonburris SDZ	Key: AM Peak Hour (0800 to 0900) PM Peak Hour (1700 to 1800)	Dwn: DJG	Ckd: DPM	Date: 24/02/2025
	Waterford Office: Suite 8b, The Atrium, Maritana Gate, Canada St phone: +353 51 309 500			Ref: p230156/calcs/excel		
	email: info@dbfl.ie website: www.dbfl.ie	DRG. Title : Network Traffic Flows - Vehicles Do Nothing 2043 AM		Figure: 5	Rev: -	



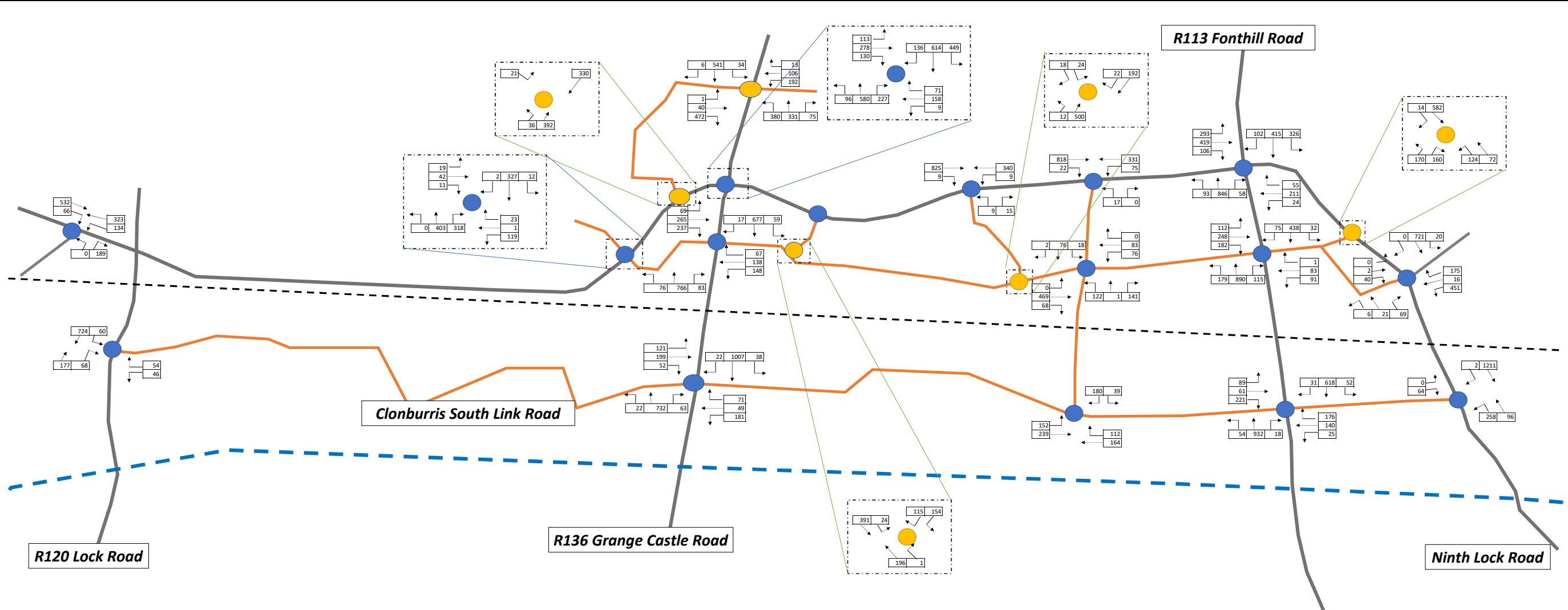
 DBFL Consulting Engineers	Dublin Office: Ormond House, Upper Ormond Quay, Dublin 7 phone: +353 1 400 4000	Project : KNW Site 3, 4 & 5 Clonburris SDZ	Key: AM Peak Hour (0800 to 0900) PM Peak Hour (1700 to 1800)	Dwn: DJG	Ckd: DPM	Date: 24/02/2025
	Waterford Office: Suite 8b, The Atrium, Maritana Gate, Canada St phone: +353 51 309 500			Ref: p230156/calcs/excel		
	email: info@dbfl.ie website: www.dbfl.ie			Figure: 6		Rev: -



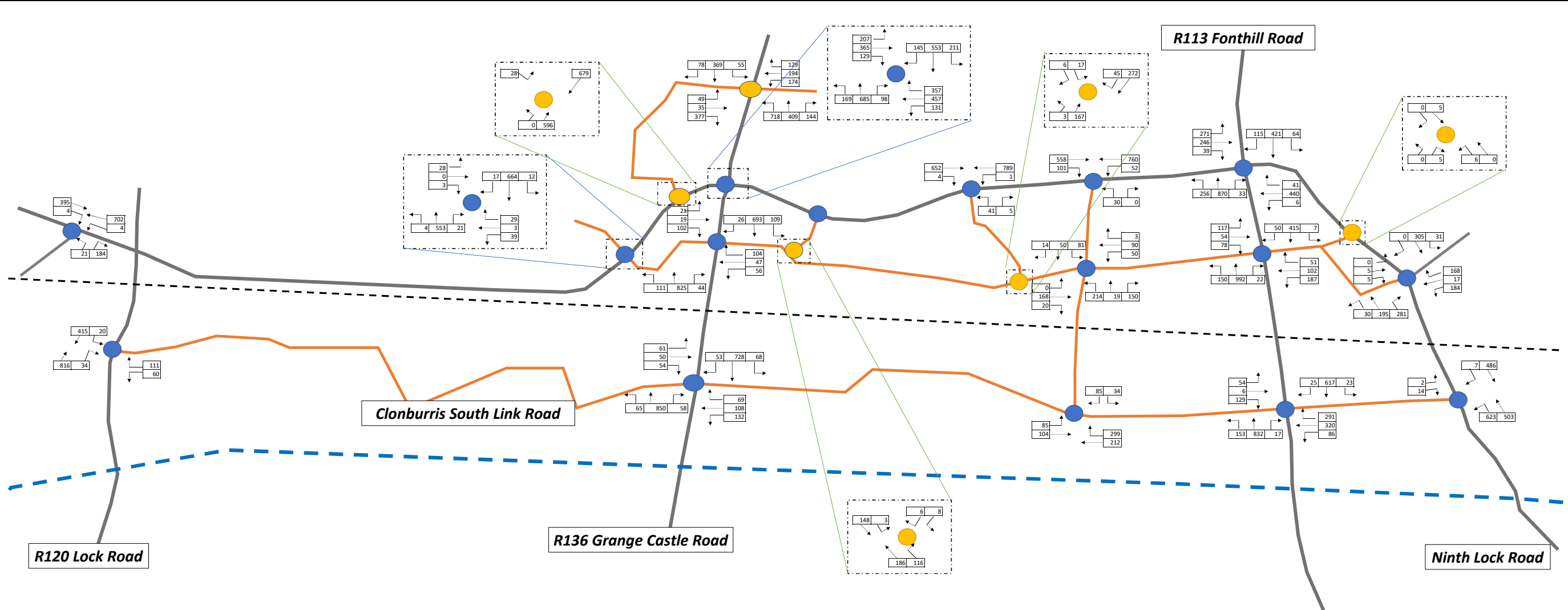
DBFL CONSULTING ENGINEERS DBFL Consulting Engineers	Dublin Office: Ormond House, Upper Ormond Quay, Dublin 7 phone: +353 1 400 4000	Project : KNW Site 3, 4 & 5 Clonburris SDZ	Key: AM Peak Hour (0800 to 0900) PM Peak Hour (1700 to 1800)	Dwn: DJG	Ckd: DPM	Date: 24/02/2025
	Waterford Office: Suite 8b, The Atrium, Maritana Gate, Canada St phone: +353 51 309 500	DRG. Title : Network Traffic Flows - Vehicles Development Trips AM		Ref: p230156/calcs/excel		
	email: info@dbfl.ie website: www.dbfl.ie			Figure: 7	Rev: -	



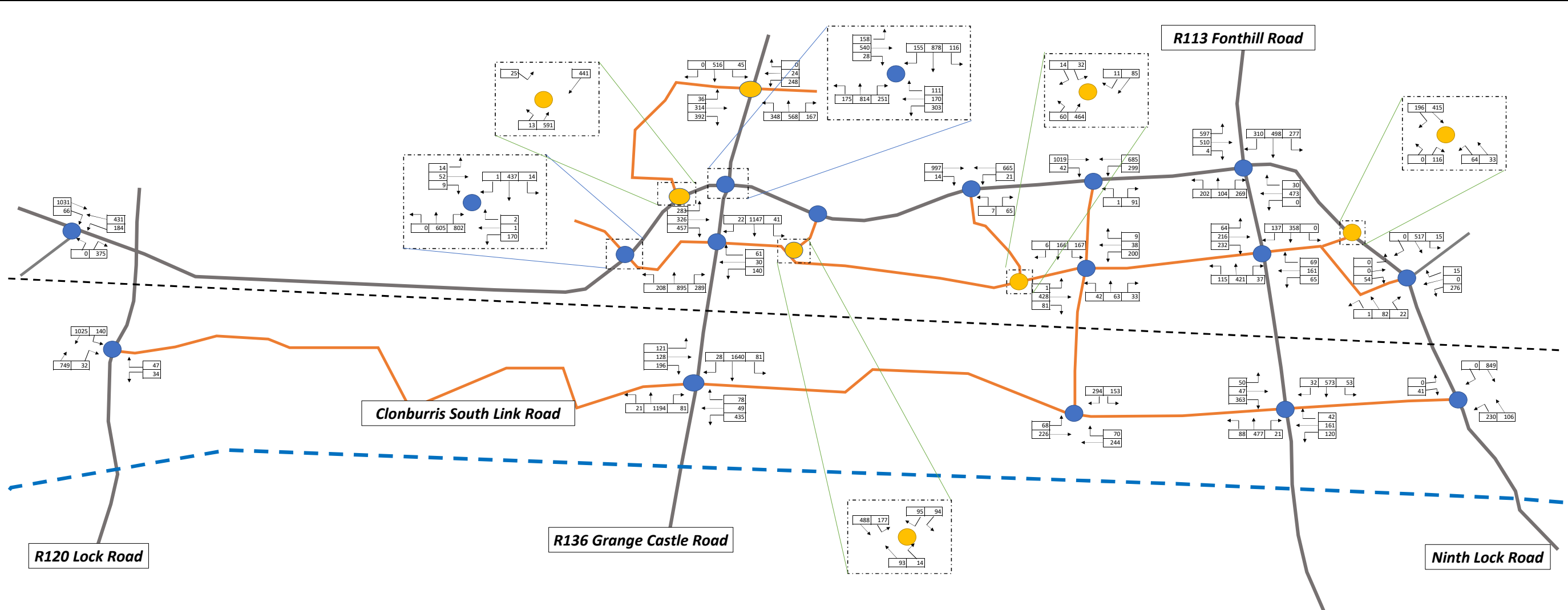
DBFL CONSULTING ENGINEERS DBFL Consulting Engineers	Dublin Office: Ormond House, Upper Ormond Quay, Dublin 7 phone: +353 1 400 4000 Waterford Office: Suite 8b, The Atrium, Maritana Gate, Canada St phone: +353 51 309 500 email: info@dbfl.ie website: www.dbfl.ie	Project : KNW Site 3, 4 & 5 Clonburris SDZ	Key: AM Peak Hour (0800 to 0900) PM Peak Hour (1700 to 1800)	Dwn: DJG	Ckd: DPM	Date: 24/02/2025
	DRG. Title : Network Traffic Flows - Vehicles Development Trips PM	Ref: p230156/calcs/excel				
		Figure: 8		Rev: -		



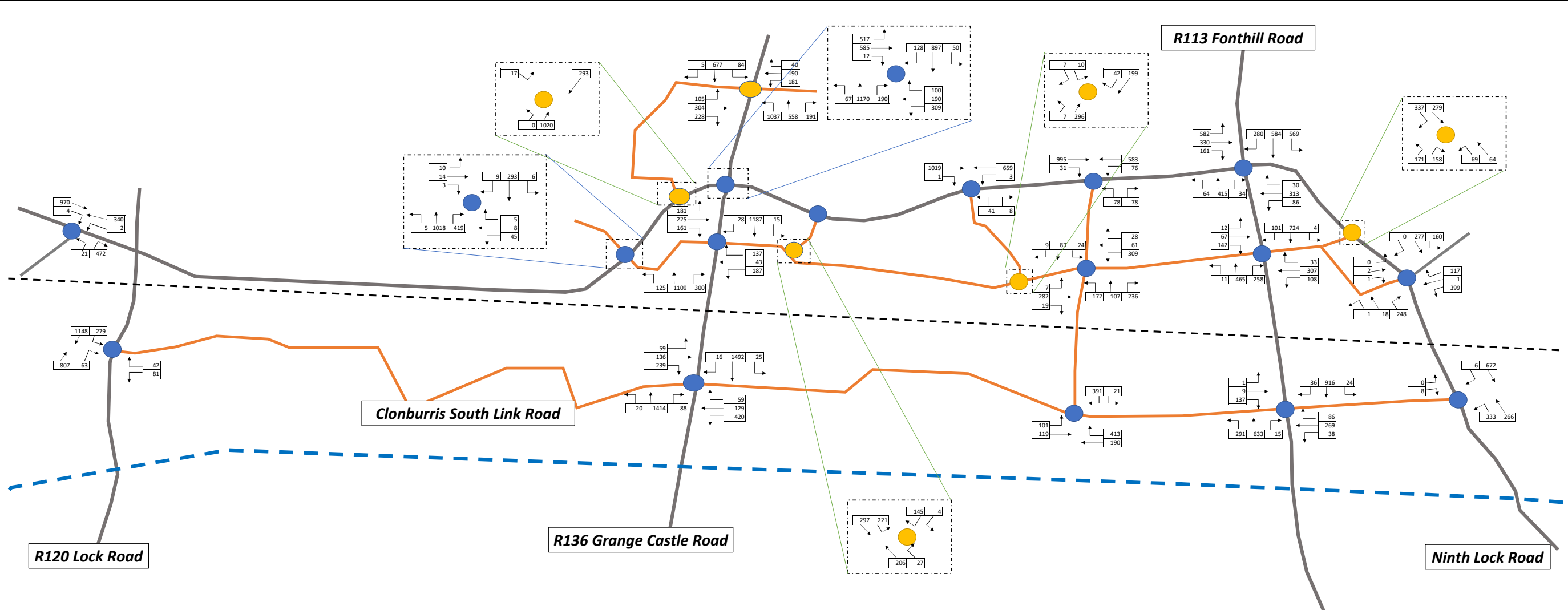
DBFL CONSULTING ENGINEERS DBFL Consulting Engineers	Dublin Office: Ormond House, Upper Ormond Quay, Dublin 7 phone: +353 1 400 4000	Project : KNW Site 3, 4 & 5 Clonburris SDZ	Key: AM Peak Hour (0800 to 0900) PM Peak Hour (1700 to 1800)	Dwn: DJG	Ckd: DPM	Date: 24/02/2025
	Waterford Office: Suite 8b, The Atrium, Maritana Gate, Canada St phone: +353 51 309 500			Ref: p230156/calcs/excel		
	email: info@dbfl.ie website: www.dbfl.ie			DRG. Title : Network Traffic Flows - Vehicles Do Something 2028 AM	Figure: 9	Rev: -



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		Figure: 10 Rev: -		



	Dublin Office: Ormond House, Upper Ormond Quay, Dublin 7 phone: +353 1 400 4000	Project : KNW Site 3, 4 & 5 Clonburris SDZ	Key: AM Peak Hour (0800 to 0900) PM Peak Hour (1700 to 1800)	Dwn: DJG	Ckd: DPM	Date: 24/02/2025
	Waterford Office: Suite 8b, The Atrium, Maritana Gate, Canada St phone: +353 51 309 500	DRG. Title : Network Traffic Flows - Vehicles Do Something 2043 AM		Ref: p230156/calcs/excel		
	email: info@dbfl.ie website: www.dbfl.ie			Figure: 11	Rev: -	



 DBFL Consulting Engineers	Dublin Office: Ormond House, Upper Ormond Quay, Dublin 7 phone: +353 1 400 4000	Project : KNW Site 3, 4 & 5 Clonburris SDZ	Key: AM Peak Hour (0800 to 0900) PM Peak Hour (1700 to 1800)	Dwn: DJG	Ckd: DPM	Date: 24/02/2025
	Waterford Office: Suite 8b, The Atrium, Maritana Gate, Canada St phone: +353 51 309 500	DRG. Title : Network Traffic Flows - Vehicles Do Something 2043 PM		Ref: p230156/calcs/excel		
	email: info@dbfl.ie website: www.dbfl.ie			Figure: 12	Rev: -	