

Appendix Q – Junction 9: Leeds Road / Owl Lane

Basic Results Summary
Basic Results Summary

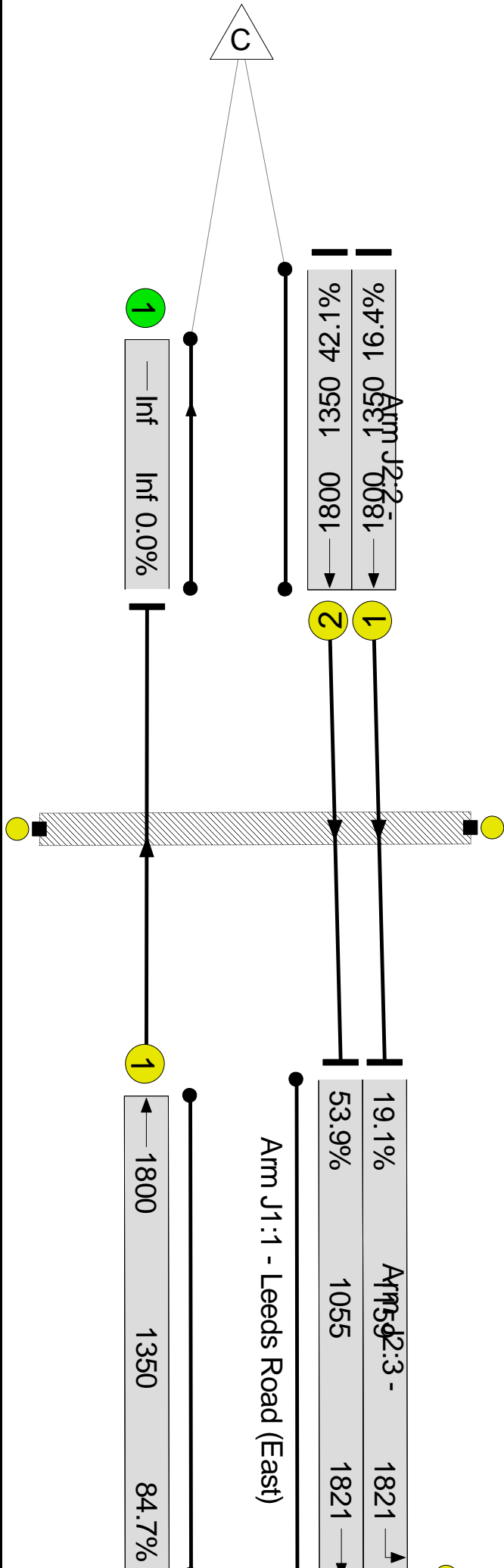
User and Project Details

Project:	
Title:	
Location:	
Additional detail:	
File name:	Junc 9 A653 Leeds Road - Owl Lane - Nov 2019_RevA.lsg3x
Author:	
Company:	
Address:	

Basic Results Summary

Scenario 1: '2019 AM Base' (FG1: '2019 AM Base', Plan 1: 'Network Control Plan 1')
Network Layout Diagram

Basic Results Summary



1

Inf	Inf	0.0%
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1800	1350	0531	42.1%
1800	1350	0681	4.91%

2 1

1800	1350	84.7%
53.9%	1055	1821
19.1%	1055	1821

Arm J1:1 - Leeds Road (East)

J2: Crossing
 PRC: 6.3 %
 Total Traffic Delay: 5.8 pcuHr
 Ave. Route Delay Per Ped: 0.0 s/Ped
 Controller: 2

Basic Results Summary

Basic Results Summary

Network Results

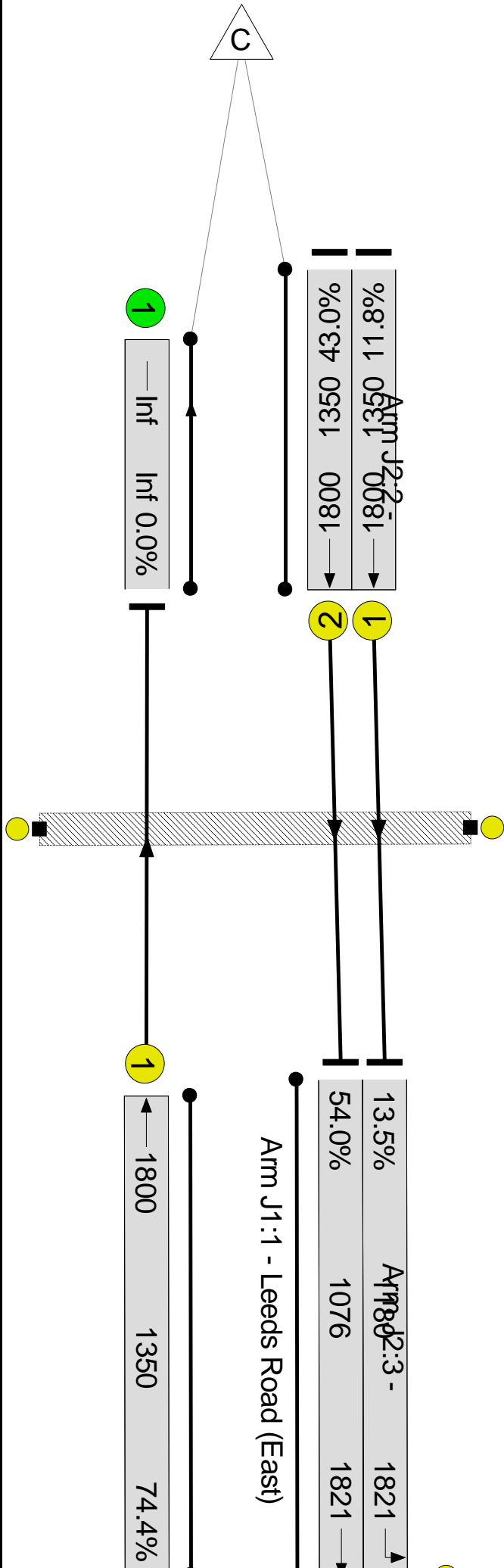
Item	Lane Description	Lane Type	Full Phase	Arrow Phase	Num Greens	Total Green (s)	Arrow Green (s)	Demand Flow (pcu)	Sat Flow (pcu/Hr)	Capacity (pcu)	Deg Sat (%)	Turners In Gaps (pcu)	Turners When Unopposed (pcu)	Turners In Intergreen (pcu)	Total Delay (pcuHr)	Av. Delay Per PCU (s/pcu)	Mean Max Queue (pcu)	
Network	-	-	-		-	-	-	-	-	-	84.7%	0	0	0	15.3	-	-	
J1: Junction	-	-	-		-	-	-	-	-	-	75.1%	0	0	0	9.6	-	-	
1/1	Leeds Road (East) Left	U	C1:C		1	55	-	221	1821	1159	19.1%	-	-	-	0.3	5.6	2.4	
1/2	Leeds Road (East) Ahead	U	C1:B		1	50	-	569	1821	1055	53.9%	-	-	-	1.8	11.3	9.2	
2/1	Owl Lane Right	U	C1:D		1	22	-	366	1864	487	75.1%	-	-	-	4.5	44.4	9.6	
3/1	Leeds Road (West) Ahead	U	C1:A		1	54	-	777	2028	1267	61.3%	-	-	-	3.0	13.7	12.2	
Ped Link: P1	Unnamed Ped Link	-	C1:E		1	22	-	0	-	0	0.0%	-	-	-	-	-	-	
Ped Link: P2	Unnamed Ped Link	-	C1:F		0	0	-	0	-	0	0.0%	-	-	-	Inf	Inf	Inf	
J2: Crossing	-	-	-		-	-	-	-	-	-	84.7%	0	0	0	5.8	-	-	
1/1	Leeds Road (East) Ahead	U	C2:B		1	65	-	221	1800	1350	16.4%	-	-	-	0.3	4.7	1.6	
1/2	Leeds Road (East) Ahead	U	C2:B		1	65	-	569	1800	1350	42.1%	-	-	-	1.0	6.3	5.4	
3/1	Ahead	U	C2:A		1	65	-	1143	1800	1350	84.7%	-	-	-	4.5	14.1	14.8	
Ped Link: P1	Unnamed Ped Link	-	C2:C		1	8	-	0	-	0	0.0%	-	-	-	-	-	-	
C1 - Junction					PRC for Signalled Lanes (%):			19.8	Total Delay for Signalled Lanes (pcuHr):				9.59	Cycle Time (s):		88		
C2 - Crossing					PRC for Signalled Lanes (%):			6.3	Total Delay for Signalled Lanes (pcuHr):				5.75	Cycle Time (s):		88		
					PRC Over All Lanes (%):			6.3	Total Delay Over All Lanes(pcuHr):				15.35					

Basic Results Summary

Scenario 2: '2019 PM Base' (FG2: '2019 PM Base', Plan 1: 'Network Control Plan 1')

Network Layout Diagram

Basic Results Summary



1

Inf	Inf	0.0%
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1800	1350	0.0%
1800	1350	0.0%

2 1

54.0%	1076	1821
13.5%	1076	1821

Arm J1:1 - Leeds Road (East)

1

1800	1350	74.4%
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J2: Crossing
 PRC: 21.0 %
 Total Traffic Delay: 4.1 pcuHr
 Ave. Route Delay Per Ped: 0.0 s/Ped
 Controller: 2

Basic Results Summary

Basic Results Summary

Network Results

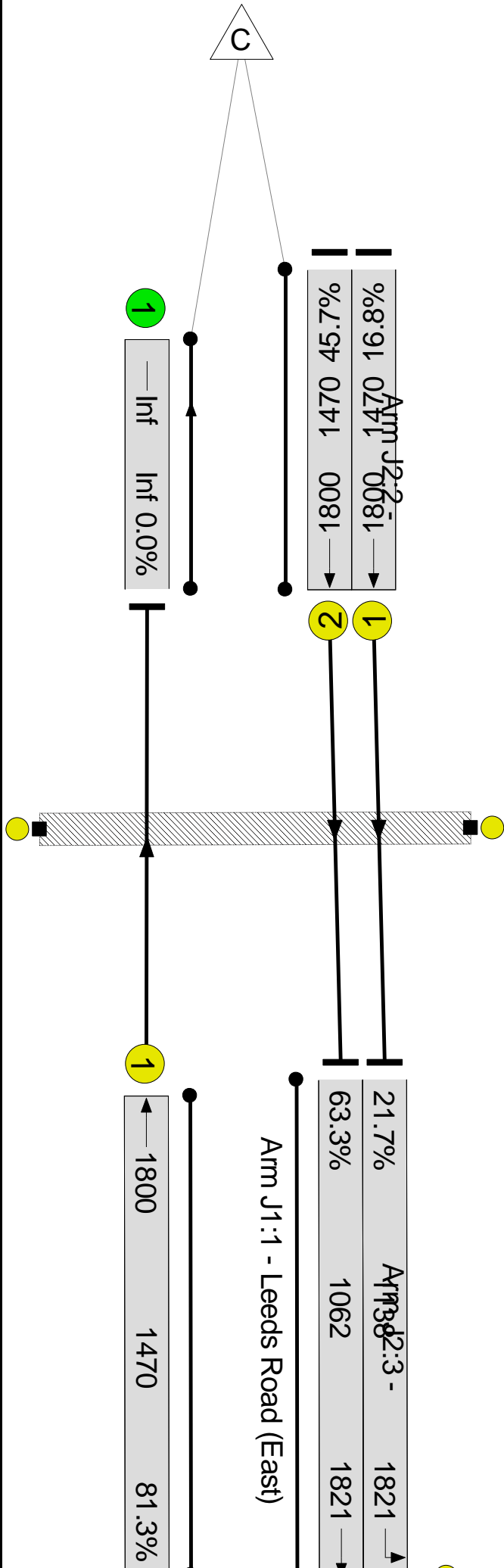
Item	Lane Description	Lane Type	Full Phase	Arrow Phase	Num Greens	Total Green (s)	Arrow Green (s)	Demand Flow (pcu)	Sat Flow (pcu/Hr)	Capacity (pcu)	Deg Sat (%)	Turners In Gaps (pcu)	Turners When Unopposed (pcu)	Turners In Intergreen (pcu)	Total Delay (pcuHr)	Av. Delay Per PCU (s/pcu)	Mean Max Queue (pcu)
Network	-	-	-		-	-	-	-	-	-	74.4%	0	0	0	12.1	-	-
J1: Junction	-	-	-		-	-	-	-	-	-	70.0%	0	0	0	7.9	-	-
1/1	Leeds Road (East) Left	U	C1:C		1	56	-	159	1821	1180	13.5%	-	-	-	0.2	4.7	1.5
1/2	Leeds Road (East) Ahead	U	C1:B		1	51	-	581	1821	1076	54.0%	-	-	-	1.7	10.4	9.0
2/1	Owl Lane Right	U	C1:D		1	21	-	326	1864	466	70.0%	-	-	-	3.9	42.6	8.3
3/1	Leeds Road (West) Ahead	U	C1:A		1	55	-	678	2028	1291	52.5%	-	-	-	2.2	11.7	9.6
Ped Link: P1	Unnamed Ped Link	-	C1:E		1	21	-	0	-	0	0.0%	-	-	-	-	-	-
Ped Link: P2	Unnamed Ped Link	-	C1:F		0	0	-	0	-	0	0.0%	-	-	-	Inf	Inf	Inf
J2: Crossing	-	-	-		-	-	-	-	-	-	74.4%	0	0	0	4.1	-	-
1/1	Leeds Road (East) Ahead	U	C2:B		1	65	-	159	1800	1350	11.8%	-	-	-	0.2	4.5	1.1
1/2	Leeds Road (East) Ahead	U	C2:B		1	65	-	581	1800	1350	43.0%	-	-	-	1.0	6.4	5.5
3/1	Ahead	U	C2:A		1	65	-	1004	1800	1350	74.4%	-	-	-	2.9	10.4	11.7
Ped Link: P1	Unnamed Ped Link	-	C2:C		1	8	-	0	-	0	0.0%	-	-	-	-	-	-
C1 - Junction					PRC for Signalled Lanes (%):		28.7		Total Delay for Signalled Lanes (pcuHr):			7.94		Cycle Time (s):		88	
C2 - Crossing					PRC for Signalled Lanes (%):		21.0		Total Delay for Signalled Lanes (pcuHr):			4.14		Cycle Time (s):		88	
					PRC Over All Lanes (%):		21.0		Total Delay Over All Lanes(pcuHr):			12.08					


Basic Results Summary

Scenario 3: '2024 DN AM' (FG3: '2024 DN AM', Plan 1: 'Network Control Plan 1')

Network Layout Diagram

Basic Results Summary



J2: Crossing

 PRC: 10.7 %
 Total Traffic Delay: 4.9 pcuHr
 Ave. Route Delay Per Ped: 0.0 s/Ped
 Controller: 2

Basic Results Summary

Basic Results Summary

Network Results

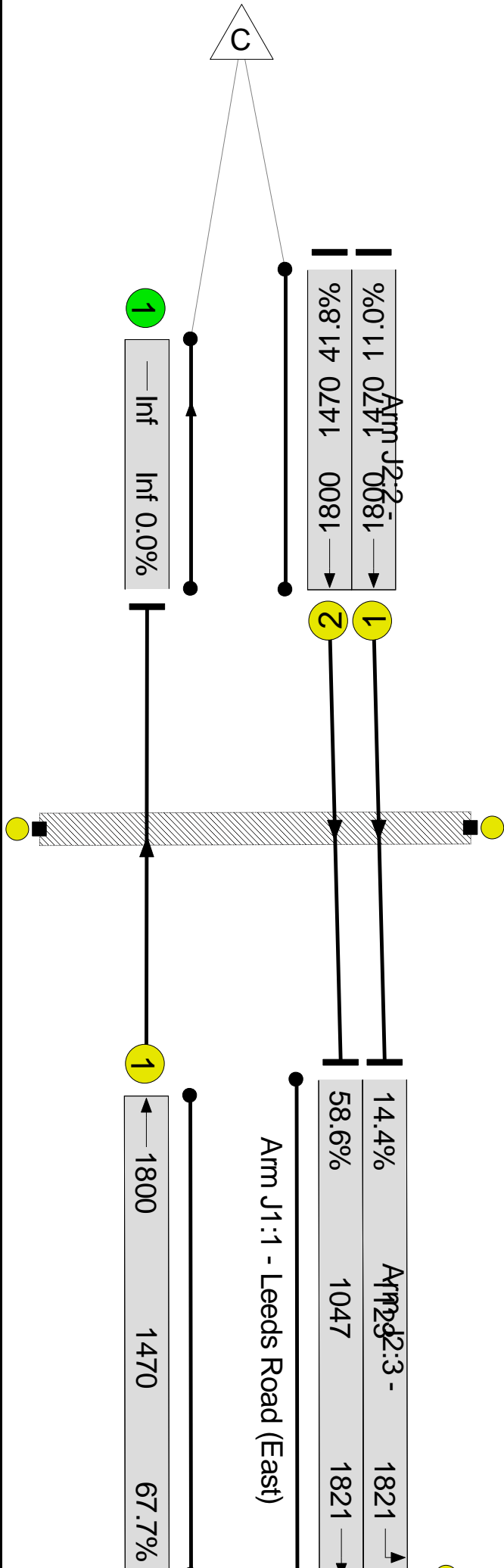
Item	Lane Description	Lane Type	Full Phase	Arrow Phase	Num Greens	Total Green (s)	Arrow Green (s)	Demand Flow (pcu)	Sat Flow (pcu/Hr)	Capacity (pcu)	Deg Sat (%)	Turners In Gaps (pcu)	Turners When Unopposed (pcu)	Turners In Intergreen (pcu)	Total Delay (pcuHr)	Av. Delay Per PCU (s/pcu)	Mean Max Queue (pcu)	
Network	-	-	-		-	-	-	-	-	-	81.3%	0	0	0	18.2	-	-	
J1: Junction	-	-	-		-	-	-	-	-	-	68.3%	0	0	0	13.3	-	-	
1/1	Leeds Road (East) Left	U	C1:C		1	74	-	247	1821	1138	21.7%	-	-	-	0.8	11.2	2.8	
1/2	Leeds Road (East) Ahead	U	C1:B		1	69	-	672	1821	1062	63.3%	-	-	-	3.3	17.9	15.6	
2/1	Owl Lane Right	U	C1:D		1	35	-	382	1864	559	68.3%	-	-	-	5.0	47.0	12.2	
3/1	Leeds Road (West) Ahead	U	C1:A		1	73	-	813	2028	1251	65.0%	-	-	-	4.2	18.8	18.1	
Ped Link: P1	Unnamed Ped Link	-	C1:E		1	35	-	0	-	0	0.0%	-	-	-	-	-	-	
Ped Link: P2	Unnamed Ped Link	-	C1:F		0	0	-	0	-	0	0.0%	-	-	-	Inf	Inf	Inf	
J2: Crossing	-	-	-		-	-	-	-	-	-	81.3%	0	0	0	4.9	-	-	
1/1	Leeds Road (East) Ahead	U	C2:B		1	97	-	247	1800	1470	16.8%	-	-	-	0.3	3.8	1.8	
1/2	Leeds Road (East) Ahead	U	C2:B		1	97	-	672	1800	1470	45.7%	-	-	-	1.0	5.5	7.0	
3/1	Ahead	U	C2:A		1	97	-	1195	1800	1470	81.3%	-	-	-	3.6	10.9	24.9	
Ped Link: P1	Unnamed Ped Link	-	C2:C		1	8	-	0	-	0	0.0%	-	-	-	-	-	-	
C1 - Junction					PRC for Signalled Lanes (%):		31.7		Total Delay for Signalled Lanes (pcuHr):			13.34		Cycle Time (s): 120				
C2 - Crossing					PRC for Signalled Lanes (%):		10.7		Total Delay for Signalled Lanes (pcuHr):			4.89		Cycle Time (s): 120				
					PRC Over All Lanes (%):		10.7		Total Delay Over All Lanes(pcuHr):			18.23						

Basic Results Summary


Scenario 4: '2024 DN PM' (FG4: '2024 DN PM', Plan 1: 'Network Control Plan 1')

Network Layout Diagram

Basic Results Summary



J2: Crossing


 PRC: 33.0 %
 Total Traffic Delay: 2.7 pcuHr
 Ave. Route Delay Per Ped: 0.0 s/Ped
 Controller: 2

1800	0081	0681	0271	0271
%8.1%	14	0770	11	11

1 2

1821	1821	1047	1047
14.4%	58.6%	14.4%	58.6%

Arm J1:1 - Leeds Road (East)

Inf	Inf	0.0%
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1

1470	67.7%	1800
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Basic Results Summary

Basic Results Summary

Network Results

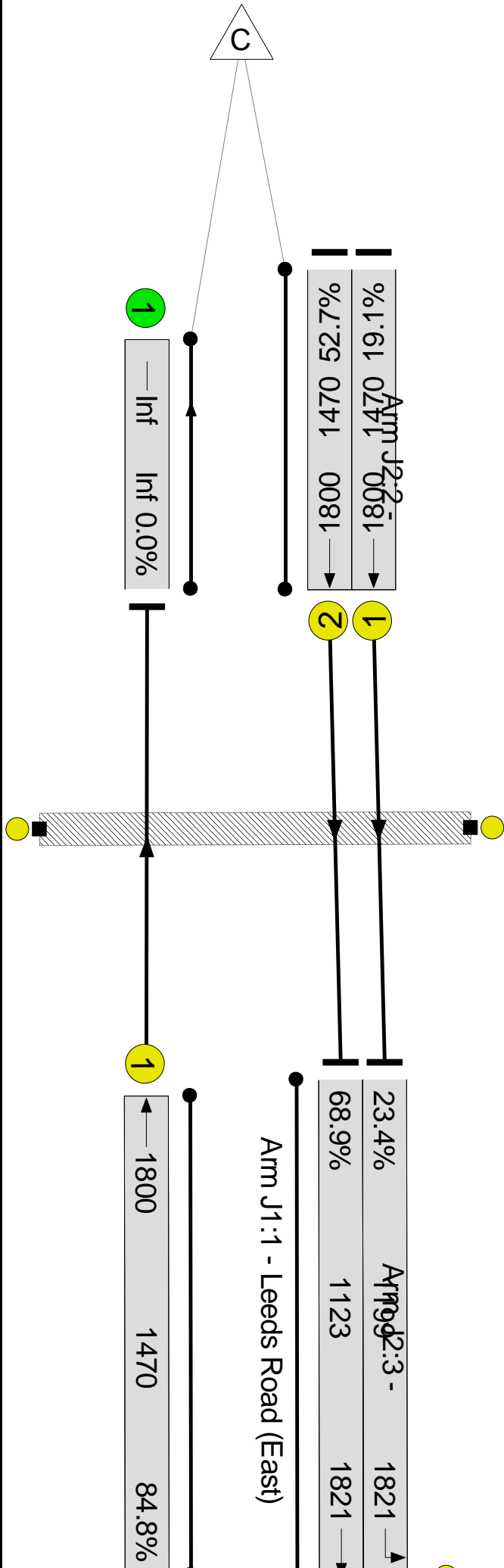
Item	Lane Description	Lane Type	Full Phase	Arrow Phase	Num Greens	Total Green (s)	Arrow Green (s)	Demand Flow (pcu)	Sat Flow (pcu/Hr)	Capacity (pcu)	Deg Sat (%)	Turners In Gaps (pcu)	Turners When Unopposed (pcu)	Turners In Intergreen (pcu)	Total Delay (pcuHr)	Av. Delay Per PCU (s/pcu)	Mean Max Queue (pcu)	
Network	-	-	-		-	-	-	-	-	-	67.7%	0	0	0	13.3	-	-	
J1: Junction	-	-	-		-	-	-	-	-	-	59.3%	0	0	0	10.5	-	-	
1/1	Leeds Road (East) Left	U	C1:C		1	73	-	162	1821	1123	14.4%	-	-	-	0.5	10.8	1.7	
1/2	Leeds Road (East) Ahead	U	C1:B		1	68	-	614	1821	1047	58.6%	-	-	-	3.0	17.4	13.7	
2/1	Owl Lane Right	U	C1:D		1	36	-	341	1864	575	59.3%	-	-	-	4.1	42.8	10.3	
3/1	Leeds Road (West) Ahead	U	C1:A		1	72	-	654	2028	1234	53.0%	-	-	-	3.0	16.7	13.1	
Ped Link: P1	Unnamed Ped Link	-	C1:E		1	36	-	0	-	0	0.0%	-	-	-	-	-	-	
Ped Link: P2	Unnamed Ped Link	-	C1:F		0	0	-	0	-	0	0.0%	-	-	-	Inf	Inf	Inf	
J2: Crossing	-	-	-		-	-	-	-	-	-	67.7%	0	0	0	2.7	-	-	
1/1	Leeds Road (East) Ahead	U	C2:B		1	97	-	162	1800	1470	11.0%	-	-	-	0.2	3.6	1.1	
1/2	Leeds Road (East) Ahead	U	C2:B		1	97	-	614	1800	1470	41.8%	-	-	-	0.9	5.2	6.0	
3/1	Ahead	U	C2:A		1	97	-	995	1800	1470	67.7%	-	-	-	1.7	6.0	16.8	
Ped Link: P1	Unnamed Ped Link	-	C2:C		1	8	-	0	-	0	0.0%	-	-	-	-	-	-	
C1 - Junction					PRC for Signalled Lanes (%):		51.7		Total Delay for Signalled Lanes (pcuHr):			10.54		Cycle Time (s): 120				
C2 - Crossing					PRC for Signalled Lanes (%):		33.0		Total Delay for Signalled Lanes (pcuHr):			2.71		Cycle Time (s): 120				
					PRC Over All Lanes (%):		33.0		Total Delay Over All Lanes(pcuHr):			13.25						

Basic Results Summary

Scenario 5: '2030 DN AM' (FG5: '2030 DN AM', Plan 1: 'Network Control Plan 1')

Network Layout Diagram

Basic Results Summary



1

Inf	Inf	0.0%
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C

1800	0271	52.7%
1800	0681	19.1%


2 1

68.9%	1123	1821
23.4%	1123	1821

Arm J1:1 - Leeds Road (East)

1

1800	1470	84.8%
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J2: Crossing
 PRC: 6.2 %
 Total Traffic Delay: 6.3 pcuHr
 Ave. Route Delay Per Ped: 0.0 s/Ped
 Controller: 2

Basic Results Summary

Basic Results Summary

Network Results

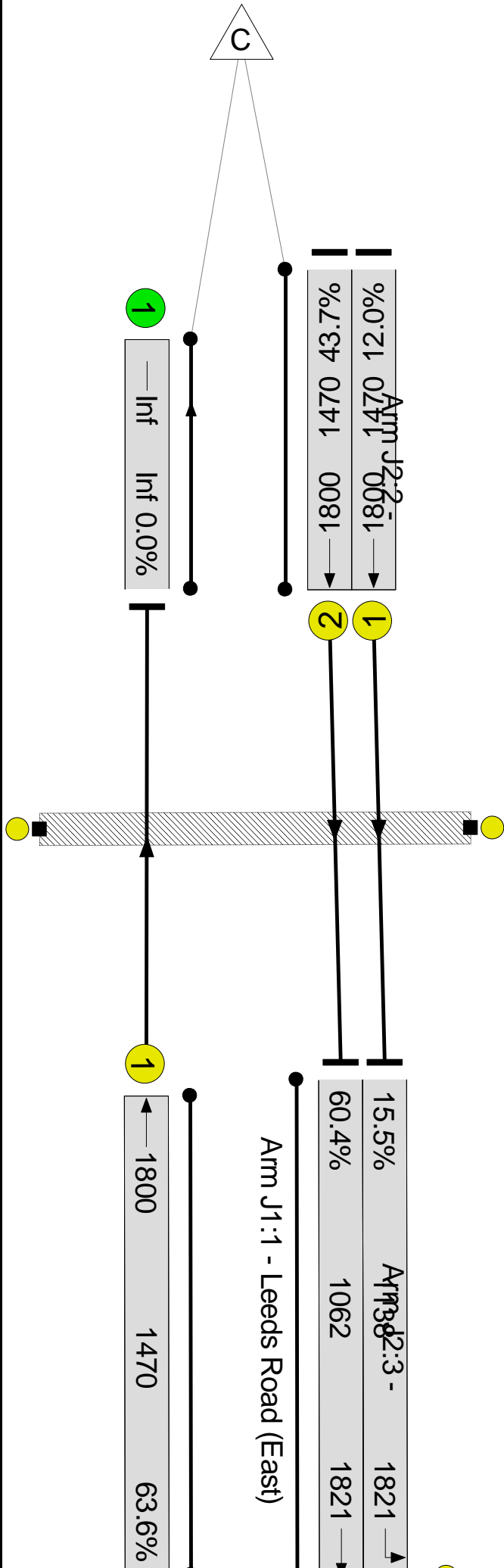
Item	Lane Description	Lane Type	Full Phase	Arrow Phase	Num Greens	Total Green (s)	Arrow Green (s)	Demand Flow (pcu)	Sat Flow (pcu/Hr)	Capacity (pcu)	Deg Sat (%)	Turners In Gaps (pcu)	Turners When Unopposed (pcu)	Turners In Intergreen (pcu)	Total Delay (pcuHr)	Av. Delay Per PCU (s/pcu)	Mean Max Queue (pcu)	
Network	-	-	-		-	-	-	-	-	-	84.8%	0	0	0	20.8	-	-	
J1: Junction	-	-	-		-	-	-	-	-	-	78.9%	0	0	0	14.5	-	-	
1/1	Leeds Road (East) Left	U	C1:C		1	78	-	281	1821	1199	23.4%	-	-	-	0.6	8.1	3.9	
1/2	Leeds Road (East) Ahead	U	C1:B		1	73	-	774	1821	1123	68.9%	-	-	-	3.7	17.3	18.4	
2/1	Owl Lane Right	U	C1:D		1	31	-	392	1864	497	78.9%	-	-	-	6.3	57.4	13.9	
3/1	Leeds Road (West) Ahead	U	C1:A		1	77	-	854	2028	1318	64.8%	-	-	-	3.9	16.6	18.0	
Ped Link: P1	Unnamed Ped Link	-	C1:E		1	31	-	0	-	0	0.0%	-	-	-	-	-	-	
Ped Link: P2	Unnamed Ped Link	-	C1:F		0	0	-	0	-	0	0.0%	-	-	-	Inf	Inf	Inf	
J2: Crossing	-	-	-		-	-	-	-	-	-	84.8%	0	0	0	6.3	-	-	
1/1	Leeds Road (East) Ahead	U	C2:B		1	97	-	281	1800	1470	19.1%	-	-	-	0.3	3.9	2.1	
1/2	Leeds Road (East) Ahead	U	C2:B		1	97	-	774	1800	1470	52.7%	-	-	-	1.3	6.1	8.7	
3/1	Ahead	U	C2:A		1	97	-	1246	1800	1470	84.8%	-	-	-	4.6	13.4	19.8	
Ped Link: P1	Unnamed Ped Link	-	C2:C		1	8	-	0	-	0	0.0%	-	-	-	-	-	-	
C1 - Junction					PRC for Signalled Lanes (%):		14.1		Total Delay for Signalled Lanes (pcuHr):			14.52		Cycle Time (s): 120				
C2 - Crossing					PRC for Signalled Lanes (%):		6.2		Total Delay for Signalled Lanes (pcuHr):			6.27		Cycle Time (s): 120				
					PRC Over All Lanes (%):		6.2		Total Delay Over All Lanes(pcuHr):			20.78						

Basic Results Summary

Scenario 6: '2030 DN PM' (FG6: '2030 DN PM', Plan 1: 'Network Control Plan 1')

Network Layout Diagram

Basic Results Summary



J2: Crossing

PRC: 41.5 %

Total Traffic Delay: 2.7 pcuHr

Ave. Route Delay Per Ped: 0.0 s/Ped

Controller: 2

Basic Results Summary

Basic Results Summary

Network Results

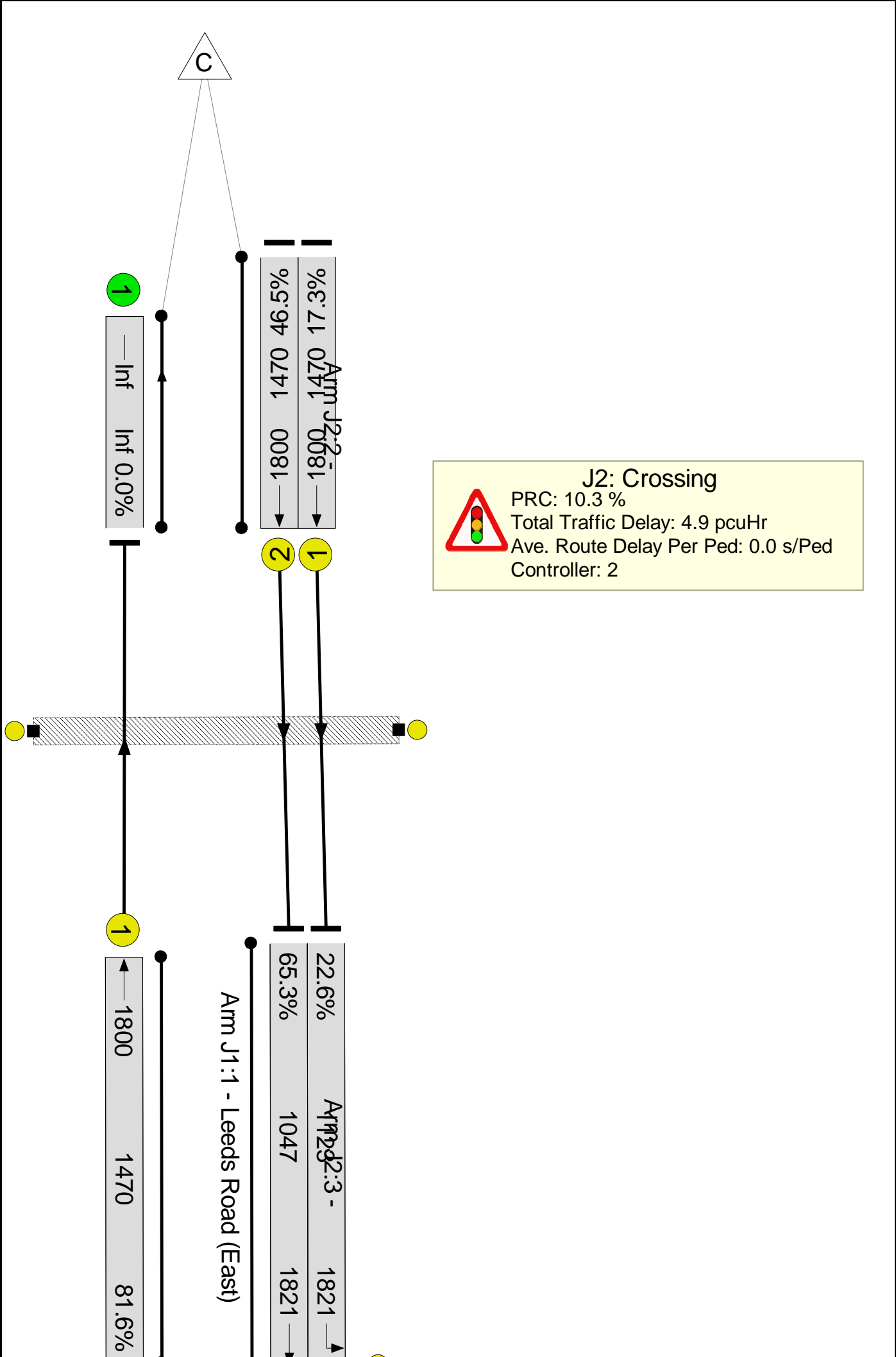
Item	Lane Description	Lane Type	Full Phase	Arrow Phase	Num Greens	Total Green (s)	Arrow Green (s)	Demand Flow (pcu)	Sat Flow (pcu/Hr)	Capacity (pcu)	Deg Sat (%)	Turners In Gaps (pcu)	Turners When Unopposed (pcu)	Turners In Intergreen (pcu)	Total Delay (pcuHr)	Av. Delay Per PCU (s/pcu)	Mean Max Queue (pcu)	
Network	-	-	-		-	-	-	-	-	-	63.6%	0	0	0	13.1	-	-	
J1: Junction	-	-	-		-	-	-	-	-	-	62.6%	0	0	0	10.4	-	-	
1/1	Leeds Road (East) Left	U	C1:C		1	74	-	176	1821	1138	15.5%	-	-	-	0.5	10.6	1.9	
1/2	Leeds Road (East) Ahead	U	C1:B		1	69	-	642	1821	1062	60.4%	-	-	-	3.1	17.2	14.5	
2/1	Owl Lane Right	U	C1:D		1	35	-	350	1864	559	62.6%	-	-	-	4.3	44.7	10.8	
3/1	Leeds Road (West) Ahead	U	C1:A		1	73	-	585	2028	1251	46.8%	-	-	-	2.5	15.1	10.8	
Ped Link: P1	Unnamed Ped Link	-	C1:E		1	35	-	0	-	0	0.0%	-	-	-	-	-	-	
Ped Link: P2	Unnamed Ped Link	-	C1:F		0	0	-	0	-	0	0.0%	-	-	-	Inf	Inf	Inf	
J2: Crossing	-	-	-		-	-	-	-	-	-	63.6%	0	0	0	2.7	-	-	
1/1	Leeds Road (East) Ahead	U	C2:B		1	97	-	176	1800	1470	12.0%	-	-	-	0.2	3.6	1.2	
1/2	Leeds Road (East) Ahead	U	C2:B		1	97	-	642	1800	1470	43.7%	-	-	-	0.9	5.3	6.5	
3/1	Ahead	U	C2:A		1	97	-	935	1800	1470	63.6%	-	-	-	1.6	6.0	14.5	
Ped Link: P1	Unnamed Ped Link	-	C2:C		1	8	-	0	-	0	0.0%	-	-	-	-	-	-	
C1 - Junction					PRC for Signalled Lanes (%):		43.8		Total Delay for Signalled Lanes (pcuHr):			10.39		Cycle Time (s): 120				
C2 - Crossing					PRC for Signalled Lanes (%):		41.5		Total Delay for Signalled Lanes (pcuHr):			2.69		Cycle Time (s): 120				
					PRC Over All Lanes (%):		41.5		Total Delay Over All Lanes(pcuHr):			13.08						


Basic Results Summary

Scenario 7: '2024 DS(A) AM' (FG7: '2024 DS(A) AM', Plan 1: 'Network Control Plan 1')

Network Layout Diagram

Basic Results Summary



J2: Crossing

 PRC: 10.3 %
 Total Traffic Delay: 4.9 pcuHr
 Ave. Route Delay Per Ped: 0.0 s/Ped
 Controller: 2

1	Inf	Inf	0.0%
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1800	0741	0081	46.5%
1800	0271	0081	17.3%

1800	1470	81.6%
1047	1821	65.3%
1047	1821	22.6%

Arm J1:1 - Leeds Road (East)

Arm J2:3 -

Basic Results Summary

Basic Results Summary

Network Results

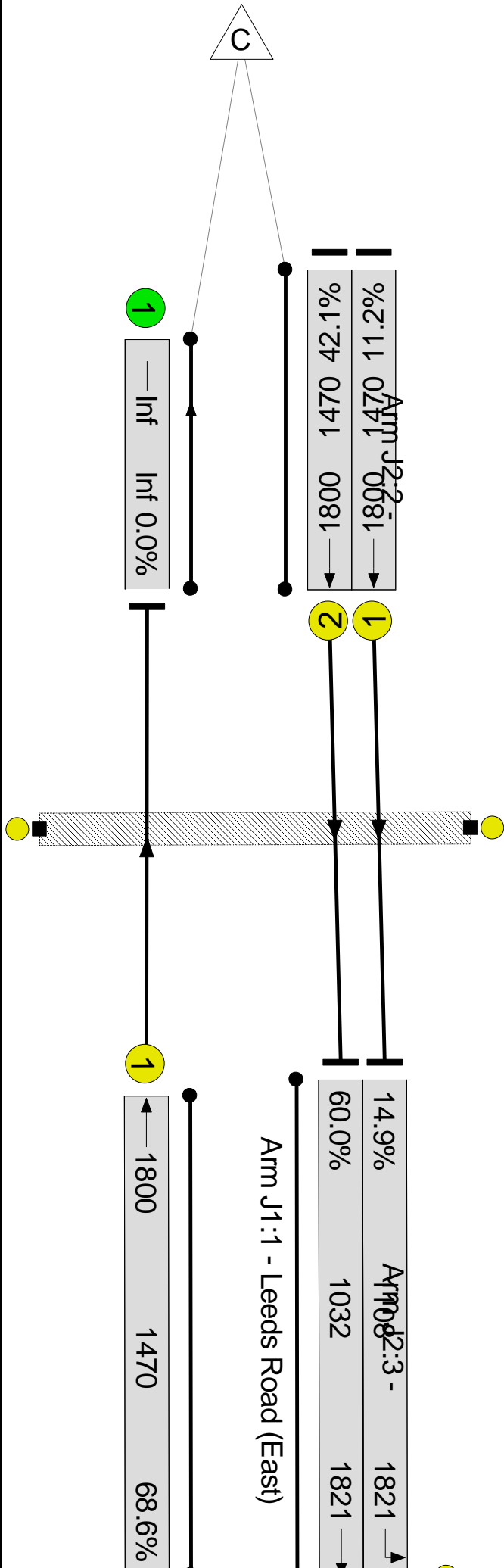
Item	Lane Description	Lane Type	Full Phase	Arrow Phase	Num Greens	Total Green (s)	Arrow Green (s)	Demand Flow (pcu)	Sat Flow (pcu/Hr)	Capacity (pcu)	Deg Sat (%)	Turners In Gaps (pcu)	Turners When Unopposed (pcu)	Turners In Intergreen (pcu)	Total Delay (pcuHr)	Av. Delay Per PCU (s/pcu)	Mean Max Queue (pcu)	
Network	-	-	-		-	-	-	-	-	-	81.6%	0	0	0	18.6	-	-	
J1: Junction	-	-	-		-	-	-	-	-	-	66.8%	0	0	0	13.7	-	-	
1/1	Leeds Road (East) Left	U	C1:C		1	73	-	254	1821	1123	22.6%	-	-	-	0.8	11.6	2.9	
1/2	Leeds Road (East) Ahead	U	C1:B		1	68	-	684	1821	1047	65.3%	-	-	-	3.6	19.0	16.3	
2/1	Owl Lane Right	U	C1:D		1	36	-	384	1864	575	66.8%	-	-	-	4.9	45.5	12.1	
3/1	Leeds Road (West) Ahead	U	C1:A		1	72	-	816	2028	1234	66.1%	-	-	-	4.5	19.7	18.7	
Ped Link: P1	Unnamed Ped Link	-	C1:E		1	36	-	0	-	0	0.0%	-	-	-	-	-	-	
Ped Link: P2	Unnamed Ped Link	-	C1:F		0	0	-	0	-	0	0.0%	-	-	-	Inf	Inf	Inf	
J2: Crossing	-	-	-		-	-	-	-	-	-	81.6%	0	0	0	4.9	-	-	
1/1	Leeds Road (East) Ahead	U	C2:B		1	97	-	254	1800	1470	17.3%	-	-	-	0.3	3.8	1.9	
1/2	Leeds Road (East) Ahead	U	C2:B		1	97	-	684	1800	1470	46.5%	-	-	-	1.1	5.5	7.1	
3/1	Ahead	U	C2:A		1	97	-	1200	1800	1470	81.6%	-	-	-	3.6	10.7	25.3	
Ped Link: P1	Unnamed Ped Link	-	C2:C		1	8	-	0	-	0	0.0%	-	-	-	-	-	-	
C1 - Junction					PRC for Signalled Lanes (%):		34.7		Total Delay for Signalled Lanes (pcuHr):			13.75		Cycle Time (s): 120				
C2 - Crossing					PRC for Signalled Lanes (%):		10.3		Total Delay for Signalled Lanes (pcuHr):			4.88		Cycle Time (s): 120				
					PRC Over All Lanes (%):		10.3		Total Delay Over All Lanes(pcuHr):			18.63						

Basic Results Summary

Scenario 8: '2024 DS(A) PM' (FG8: '2024 DS(A) PM', Plan 1: 'Network Control Plan 1')

Network Layout Diagram

Basic Results Summary




J2: Crossing

PRC: 31.2 %

Total Traffic Delay: 2.7 pcuHr

Ave. Route Delay Per Ped: 0.0 s/Ped

Controller: 2



1800	0081	0681	0271	0271	11	2.11%
1800	0081	0681	0271	0271	11	2.11%

1800	1032	1821	1821	14.9%
1800	1032	1821	1821	14.9%

1800	1470	68.6%
1800	1470	68.6%

Basic Results Summary

Basic Results Summary

Network Results

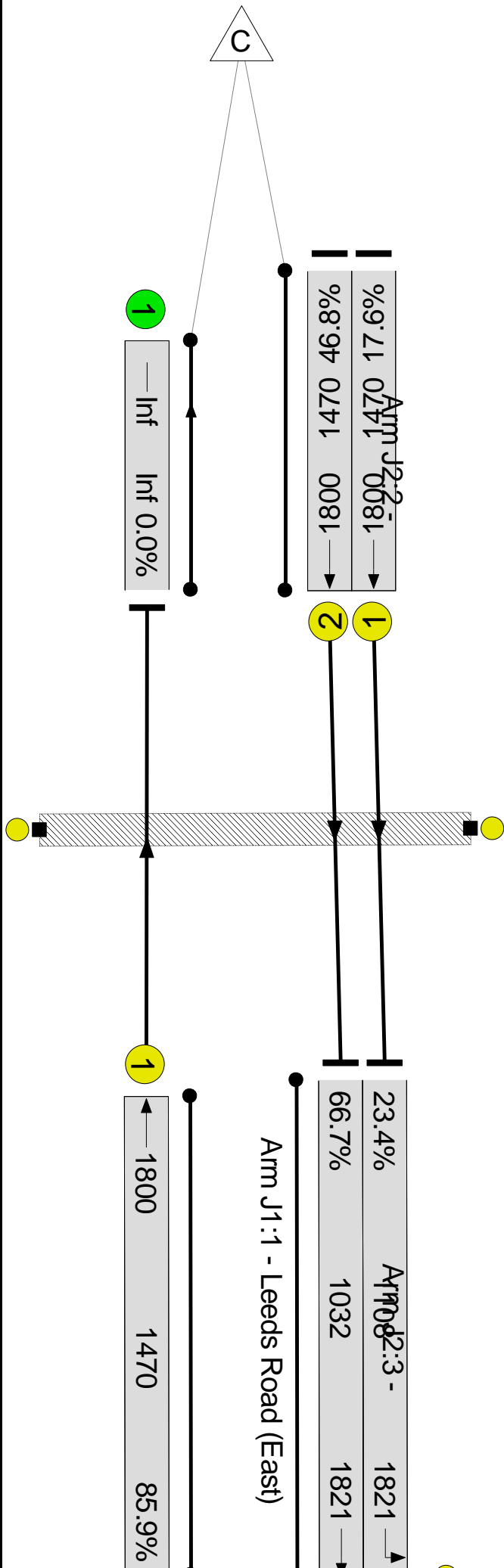
Item	Lane Description	Lane Type	Full Phase	Arrow Phase	Num Greens	Total Green (s)	Arrow Green (s)	Demand Flow (pcu)	Sat Flow (pcu/Hr)	Capacity (pcu)	Deg Sat (%)	Turners In Gaps (pcu)	Turners When Unopposed (pcu)	Turners In Intergreen (pcu)	Total Delay (pcuHr)	Av. Delay Per PCU (s/pcu)	Mean Max Queue (pcu)
Network	-	-	-		-	-	-	-	-	-	68.6%	0	0	0	13.6	-	-
J1: Junction	-	-	-		-	-	-	-	-	-	60.0%	0	0	0	10.9	-	-
1/1	Leeds Road (East) Left	U	C1:C		1	72	-	165	1821	1108	14.9%	-	-	-	0.5	11.1	1.7
1/2	Leeds Road (East) Ahead	U	C1:B		1	67	-	619	1821	1032	60.0%	-	-	-	3.2	18.3	14.2
2/1	Owl Lane Right	U	C1:D		1	37	-	346	1864	590	58.6%	-	-	-	4.0	41.7	10.3
3/1	Leeds Road (West) Ahead	U	C1:A		1	71	-	662	2028	1217	54.4%	-	-	-	3.2	17.5	13.7
Ped Link: P1	Unnamed Ped Link	-	C1:E		1	37	-	0	-	0	0.0%	-	-	-	-	-	-
Ped Link: P2	Unnamed Ped Link	-	C1:F		0	0	-	0	-	0	0.0%	-	-	-	Inf	Inf	Inf
J2: Crossing	-	-	-		-	-	-	-	-	-	68.6%	0	0	0	2.7	-	-
1/1	Leeds Road (East) Ahead	U	C2:B		1	97	-	165	1800	1470	11.2%	-	-	-	0.2	3.6	1.2
1/2	Leeds Road (East) Ahead	U	C2:B		1	97	-	619	1800	1470	42.1%	-	-	-	0.9	5.2	6.0
3/1	Ahead	U	C2:A		1	97	-	1008	1800	1470	68.6%	-	-	-	1.7	5.9	17.3
Ped Link: P1	Unnamed Ped Link	-	C2:C		1	8	-	0	-	0	0.0%	-	-	-	-	-	-
C1 - Junction C2 - Crossing					PRC for Signalled Lanes (%): PRC for Signalled Lanes (%): PRC Over All Lanes (%):			50.0 31.2 31.2		Total Delay for Signalled Lanes (pcuHr): Total Delay for Signalled Lanes (pcuHr): Total Delay Over All Lanes(pcuHr):			10.89 2.72 13.61		Cycle Time (s): 120 Cycle Time (s): 120		

Basic Results Summary

Scenario 9: '2024 DS(A+B) AM' (FG9: '2024 DS(A+B) AM', Plan 1: 'Network Control Plan 1')

Network Layout Diagram

Basic Results Summary



J2: Crossing
 PRC: 4.8 %
 Total Traffic Delay: 6.0 pcuHr
 Ave. Route Delay Per Ped: 0.0 s/Ped
 Controller: 2

Basic Results Summary

Basic Results Summary

Network Results

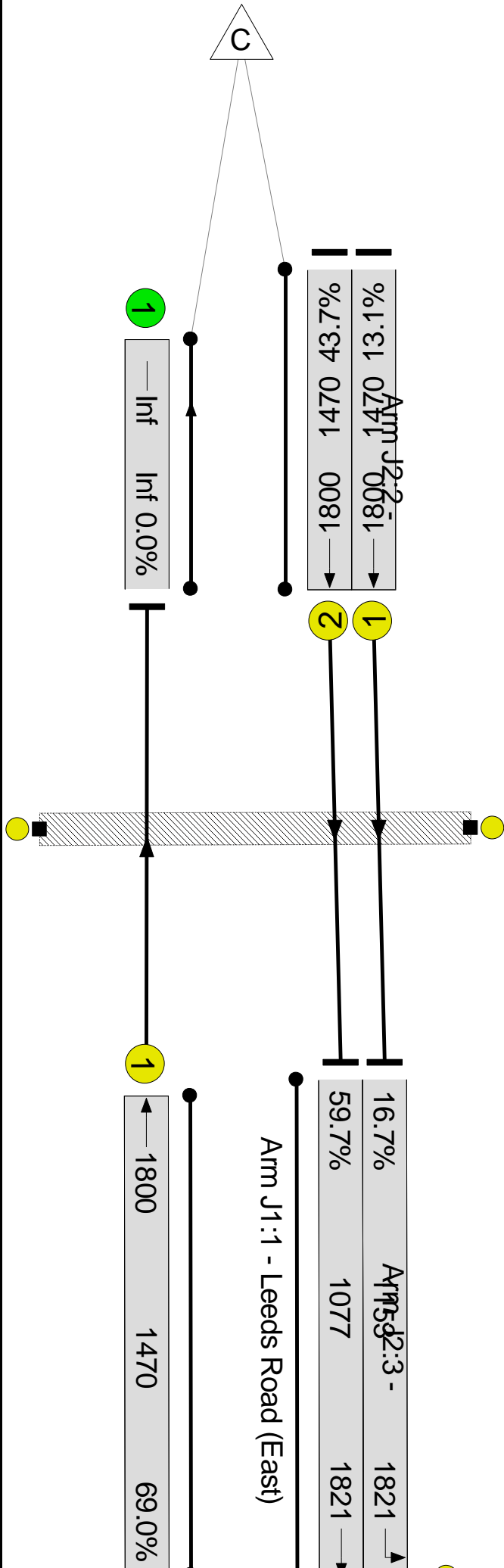
Item	Lane Description	Lane Type	Full Phase	Arrow Phase	Num Greens	Total Green (s)	Arrow Green (s)	Demand Flow (pcu)	Sat Flow (pcu/Hr)	Capacity (pcu)	Deg Sat (%)	Turners In Gaps (pcu)	Turners When Unopposed (pcu)	Turners In Intergreen (pcu)	Total Delay (pcuHr)	Av. Delay Per PCU (s/pcu)	Mean Max Queue (pcu)
Network	-	-	-		-	-	-	-	-	-	85.9%	0	0	0	21.1	-	-
J1: Junction	-	-	-		-	-	-	-	-	-	70.6%	0	0	0	15.1	-	-
1/1	Leeds Road (East) Left	U	C1:C		1	72	-	259	1821	1108	23.4%	-	-	-	0.9	12.2	3.1
1/2	Leeds Road (East) Ahead	U	C1:B		1	67	-	688	1821	1032	66.7%	-	-	-	3.8	20.0	16.9
2/1	Owl Lane Right	U	C1:D		1	37	-	417	1864	590	70.6%	-	-	-	5.4	46.3	13.3
3/1	Leeds Road (West) Ahead	U	C1:A		1	71	-	845	2028	1217	69.4%	-	-	-	5.0	21.3	20.4
Ped Link: P1	Unnamed Ped Link	-	C1:E		1	37	-	0	-	0	0.0%	-	-	-	-	-	-
Ped Link: P2	Unnamed Ped Link	-	C1:F		0	0	-	0	-	0	0.0%	-	-	-	Inf	Inf	Inf
J2: Crossing	-	-	-		-	-	-	-	-	-	85.9%	0	0	0	6.0	-	-
1/1	Leeds Road (East) Ahead	U	C2:B		1	97	-	259	1800	1470	17.6%	-	-	-	0.3	3.8	1.9
1/2	Leeds Road (East) Ahead	U	C2:B		1	97	-	688	1800	1470	46.8%	-	-	-	1.1	5.6	7.1
3/1	Ahead	U	C2:A		1	97	-	1262	1800	1470	85.9%	-	-	-	4.7	13.4	28.6
Ped Link: P1	Unnamed Ped Link	-	C2:C		1	8	-	0	-	0	0.0%	-	-	-	-	-	-
C1 - Junction					PRC for Signalled Lanes (%):		27.4		Total Delay for Signalled Lanes (pcuHr):			15.07		Cycle Time (s): 120			
C2 - Crossing					PRC for Signalled Lanes (%):		4.8		Total Delay for Signalled Lanes (pcuHr):			6.04		Cycle Time (s): 120			
					PRC Over All Lanes (%):		4.8		Total Delay Over All Lanes(pcuHr):			21.10					

Basic Results Summary

Scenario 10: '2024 DS(A+B) PM' (FG10: '2024 DS(A+B) PM', Plan 1: 'Network Control Plan 1')

Network Layout Diagram

Basic Results Summary



1

Inf	Inf	0.0%
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1800	0741	43.7%
1800	0681	13.1%

2

1

59.7%	1077	1821
16.7%	1077	1821

Arm J1:1 - Leeds Road (East)

1

1800	1470	69.0%
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J2: Crossing
 PRC: 30.3 %
 Total Traffic Delay: 3.2 pcuHr
 Ave. Route Delay Per Ped: 0.0 s/Ped
 Controller: 2

Basic Results Summary

Basic Results Summary

Network Results

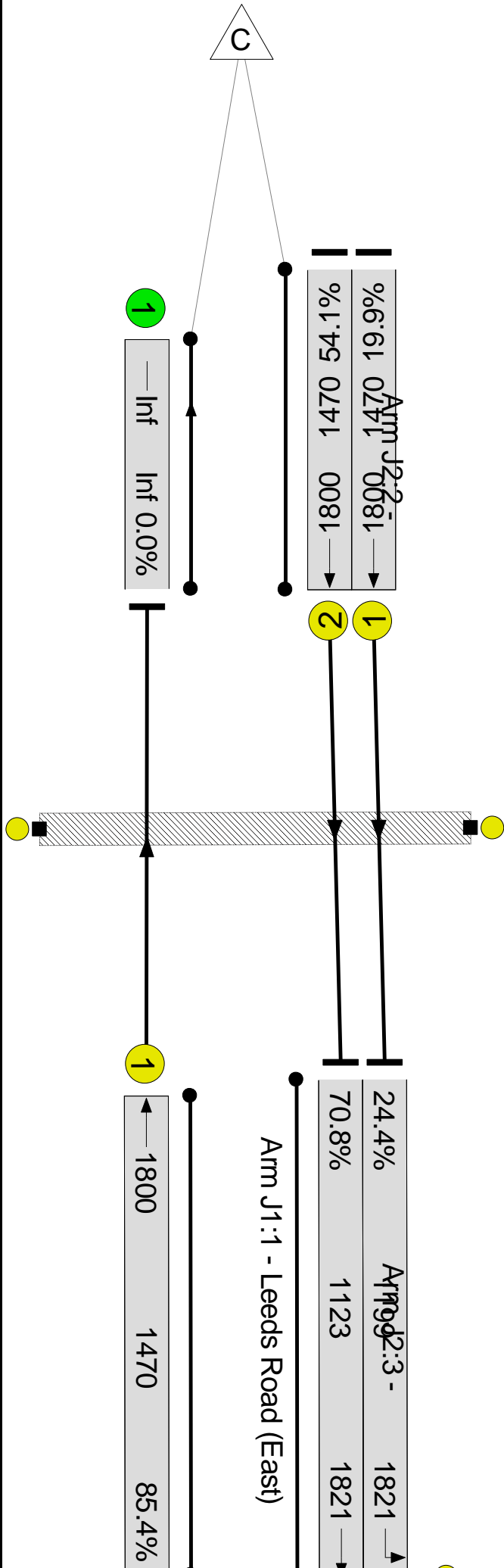
Item	Lane Description	Lane Type	Full Phase	Arrow Phase	Num Greens	Total Green (s)	Arrow Green (s)	Demand Flow (pcu)	Sat Flow (pcu/Hr)	Capacity (pcu)	Deg Sat (%)	Turners In Gaps (pcu)	Turners When Unopposed (pcu)	Turners In Intergreen (pcu)	Total Delay (pcuHr)	Av. Delay Per PCU (s/pcu)	Mean Max Queue (pcu)	
Network	-	-	-		-	-	-	-	-	-	69.0%	0	0	0	14.0	-	-	
J1: Junction	-	-	-		-	-	-	-	-	-	64.4%	0	0	0	10.9	-	-	
1/1	Leeds Road (East) Left	U	C1:C		1	75	-	193	1821	1153	16.7%	-	-	-	0.6	10.3	2.1	
1/2	Leeds Road (East) Ahead	U	C1:B		1	70	-	643	1821	1077	59.7%	-	-	-	2.9	16.5	14.1	
2/1	Owl Lane Right	U	C1:D		1	34	-	350	1864	544	64.4%	-	-	-	4.5	46.3	11.0	
3/1	Leeds Road (West) Ahead	U	C1:A		1	74	-	665	2028	1267	52.5%	-	-	-	2.9	15.5	12.7	
Ped Link: P1	Unnamed Ped Link	-	C1:E		1	34	-	0	-	0	0.0%	-	-	-	-	-	-	
Ped Link: P2	Unnamed Ped Link	-	C1:F		0	0	-	0	-	0	0.0%	-	-	-	Inf	Inf	Inf	
J2: Crossing	-	-	-		-	-	-	-	-	-	69.0%	0	0	0	3.2	-	-	
1/1	Leeds Road (East) Ahead	U	C2:B		1	97	-	193	1800	1470	13.1%	-	-	-	0.2	3.7	1.4	
1/2	Leeds Road (East) Ahead	U	C2:B		1	97	-	643	1800	1470	43.7%	-	-	-	0.9	5.3	6.5	
3/1	Ahead	U	C2:A		1	97	-	1015	1800	1470	69.0%	-	-	-	2.0	7.1	17.2	
Ped Link: P1	Unnamed Ped Link	-	C2:C		1	8	-	0	-	0	0.0%	-	-	-	-	-	-	
C1 - Junction					PRC for Signalled Lanes (%):		39.8		Total Delay for Signalled Lanes (pcuHr):			10.86		Cycle Time (s): 120				
C2 - Crossing					PRC for Signalled Lanes (%):		30.3		Total Delay for Signalled Lanes (pcuHr):			3.16		Cycle Time (s): 120				
					PRC Over All Lanes (%):		30.3		Total Delay Over All Lanes(pcuHr):			14.02						

Basic Results Summary

Scenario 11: '2030 DS(A) AM' (FG11: '2030 DS(A) AM', Plan 1: 'Network Control Plan 1')

Network Layout Diagram

Basic Results Summary



J2: Crossing
 PRC: 5.4 %
 Total Traffic Delay: 6.5 pcuHr
 Ave. Route Delay Per Ped: 0.0 s/Ped
 Controller: 2

1800	1470	19.9%
0081	0681	0271
0271	0681	19.9%

1800	1470	85.4%
1123	1821	70.8%
1821	1821	24.4%

Arm J1:1 - Leeds Road (East)

Arm J2:2 -

Basic Results Summary

Basic Results Summary

Network Results

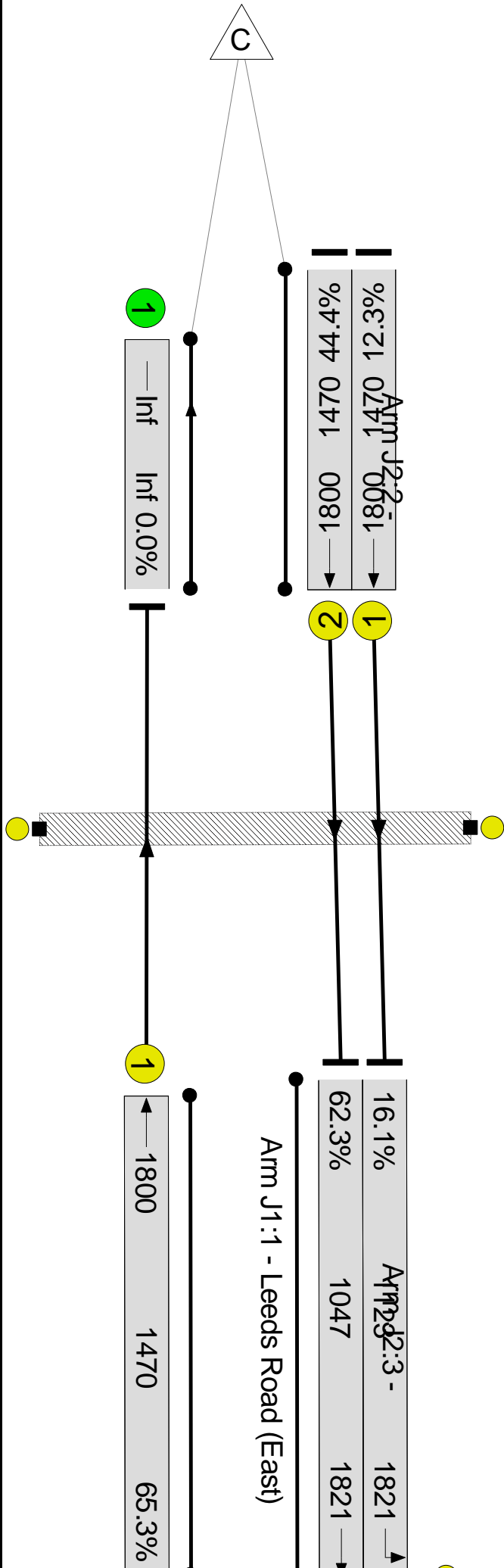
Item	Lane Description	Lane Type	Full Phase	Arrow Phase	Num Greens	Total Green (s)	Arrow Green (s)	Demand Flow (pcu)	Sat Flow (pcu/Hr)	Capacity (pcu)	Deg Sat (%)	Turners In Gaps (pcu)	Turners When Unopposed (pcu)	Turners In Intergreen (pcu)	Total Delay (pcuHr)	Av. Delay Per PCU (s/pcu)	Mean Max Queue (pcu)	
Network	-	-	-		-	-	-	-	-	-	85.4%	0	0	0	21.4	-	-	
J1: Junction	-	-	-		-	-	-	-	-	-	79.5%	0	0	0	14.9	-	-	
1/1	Leeds Road (East) Left	U	C1:C		1	78	-	293	1821	1199	24.4%	-	-	-	0.7	8.1	4.1	
1/2	Leeds Road (East) Ahead	U	C1:B		1	73	-	795	1821	1123	70.8%	-	-	-	3.9	17.8	19.4	
2/1	Owl Lane Right	U	C1:D		1	31	-	395	1864	497	79.5%	-	-	-	6.4	58.0	14.0	
3/1	Leeds Road (West) Ahead	U	C1:A		1	77	-	860	2028	1318	65.2%	-	-	-	4.0	16.7	18.1	
Ped Link: P1	Unnamed Ped Link	-	C1:E		1	31	-	0	-	0	0.0%	-	-	-	-	-	-	
Ped Link: P2	Unnamed Ped Link	-	C1:F		0	0	-	0	-	0	0.0%	-	-	-	Inf	Inf	Inf	
J2: Crossing	-	-	-		-	-	-	-	-	-	85.4%	0	0	0	6.5	-	-	
1/1	Leeds Road (East) Ahead	U	C2:B		1	97	-	293	1800	1470	19.9%	-	-	-	0.3	3.9	2.2	
1/2	Leeds Road (East) Ahead	U	C2:B		1	97	-	795	1800	1470	54.1%	-	-	-	1.4	6.3	9.2	
3/1	Ahead	U	C2:A		1	97	-	1255	1800	1470	85.4%	-	-	-	4.8	13.8	20.1	
Ped Link: P1	Unnamed Ped Link	-	C2:C		1	8	-	0	-	0	0.0%	-	-	-	-	-	-	
C1 - Junction					PRC for Signalled Lanes (%):			13.3	Total Delay for Signalled Lanes (pcuHr):				14.94	Cycle Time (s): 120				
C2 - Crossing					PRC for Signalled Lanes (%):			5.4	Total Delay for Signalled Lanes (pcuHr):				6.51	Cycle Time (s): 120				
					PRC Over All Lanes (%):			5.4	Total Delay Over All Lanes(pcuHr):				21.45					

Basic Results Summary

Scenario 12: '2030 DS(A) PM' (FG12: '2030 DS(A) PM', Plan 1: 'Network Control Plan 1')

Network Layout Diagram

Basic Results Summary



J2: Crossing
 PRC: 37.8 %
 Total Traffic Delay: 2.8 pcuHr
 Ave. Route Delay Per Ped: 0.0 s/Ped
 Controller: 2

12.3%	0271	0081
4.7%	0701	1800

Arm J2:2

16.1%	1047	1821
62.3%	1047	1821

Arm J1:1 - Leeds Road (East)

Inf	Inf	0.0%
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1800	1470	65.3%
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Basic Results Summary

Basic Results Summary

Network Results

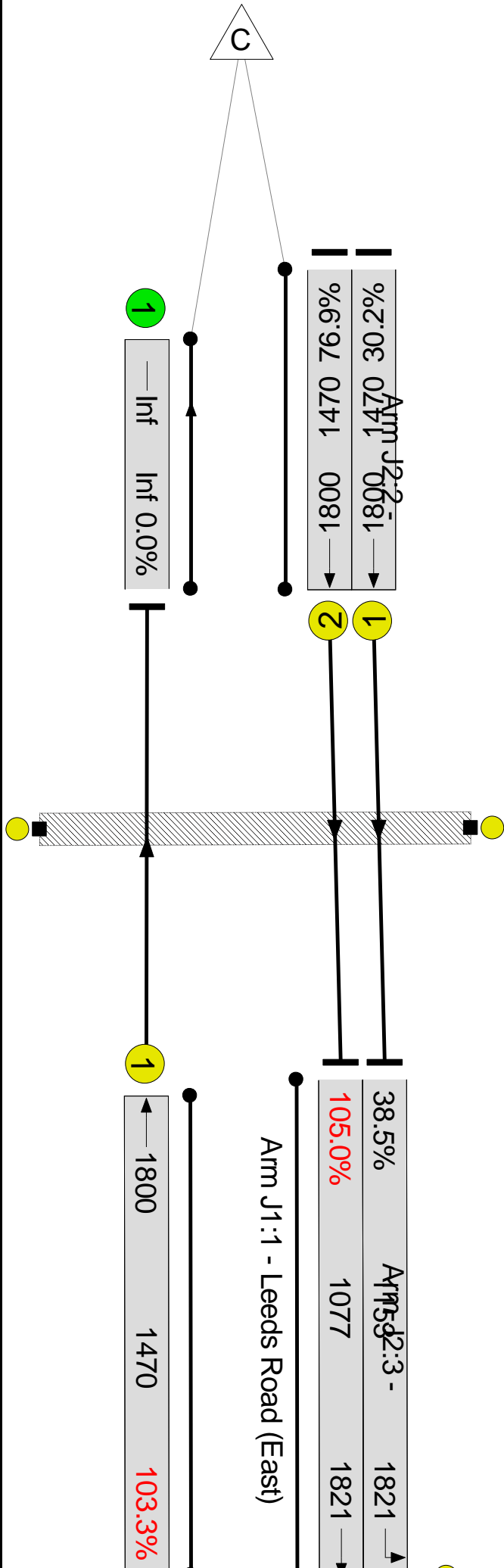
Item	Lane Description	Lane Type	Full Phase	Arrow Phase	Num Greens	Total Green (s)	Arrow Green (s)	Demand Flow (pcu)	Sat Flow (pcu/Hr)	Capacity (pcu)	Deg Sat (%)	Turners In Gaps (pcu)	Turners When Unopposed (pcu)	Turners In Intergreen (pcu)	Total Delay (pcuHr)	Av. Delay Per PCU (s/pcu)	Mean Max Queue (pcu)	
Network	-	-	-		-	-	-	-	-	-	65.3%	0	0	0	13.7	-	-	
J1: Junction	-	-	-		-	-	-	-	-	-	62.5%	0	0	0	10.9	-	-	
1/1	Leeds Road (East) Left	U	C1:C		1	73	-	181	1821	1123	16.1%	-	-	-	0.6	11.0	2.0	
1/2	Leeds Road (East) Ahead	U	C1:B		1	68	-	652	1821	1047	62.3%	-	-	-	3.3	18.3	15.1	
2/1	Owl Lane Right	U	C1:D		1	36	-	359	1864	575	62.5%	-	-	-	4.4	43.8	11.0	
3/1	Leeds Road (West) Ahead	U	C1:A		1	72	-	601	2028	1234	48.7%	-	-	-	2.7	15.9	11.5	
Ped Link: P1	Unnamed Ped Link	-	C1:E		1	36	-	0	-	0	0.0%	-	-	-	-	-	-	
Ped Link: P2	Unnamed Ped Link	-	C1:F		0	0	-	0	-	0	0.0%	-	-	-	Inf	Inf	Inf	
J2: Crossing	-	-	-		-	-	-	-	-	-	65.3%	0	0	0	2.8	-	-	
1/1	Leeds Road (East) Ahead	U	C2:B		1	97	-	181	1800	1470	12.3%	-	-	-	0.2	3.6	1.3	
1/2	Leeds Road (East) Ahead	U	C2:B		1	97	-	652	1800	1470	44.4%	-	-	-	1.0	5.4	6.6	
3/1	Ahead	U	C2:A		1	97	-	960	1800	1470	65.3%	-	-	-	1.6	6.1	15.4	
Ped Link: P1	Unnamed Ped Link	-	C2:C		1	8	-	0	-	0	0.0%	-	-	-	-	-	-	
C1 - Junction					PRC for Signalled Lanes (%):			44.1	Total Delay for Signalled Lanes (pcuHr):				10.89	Cycle Time (s): 120				
C2 - Crossing					PRC for Signalled Lanes (%):			37.8	Total Delay for Signalled Lanes (pcuHr):				2.78	Cycle Time (s): 120				
					PRC Over All Lanes (%):			37.8	Total Delay Over All Lanes(pcuHr):				13.67					

Basic Results Summary

Scenario 13: '2030 DS(A+B) AM' (FG13: '2030 DS(A+B) AM', Plan 1: 'Network Control Plan 1')

Network Layout Diagram

Basic Results Summary



J2: Crossing
 PRC: -14.8 %
 Total Traffic Delay: 46.8 pcuHr
 Ave. Route Delay Per Ped: 0.0 s/Ped
 Controller: 2

Arm J2:2	30.2%	0271	0681
Arm J2:1	6.9%	0741	0081

Arm J1:3 - Leeds Road (East)	38.5%	1077	1821
Arm J1:1 - Leeds Road (East)	105.0%	1077	1821

Inf	Inf	0.0%
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1800	1470	103.3%
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Basic Results Summary

Basic Results Summary

Network Results

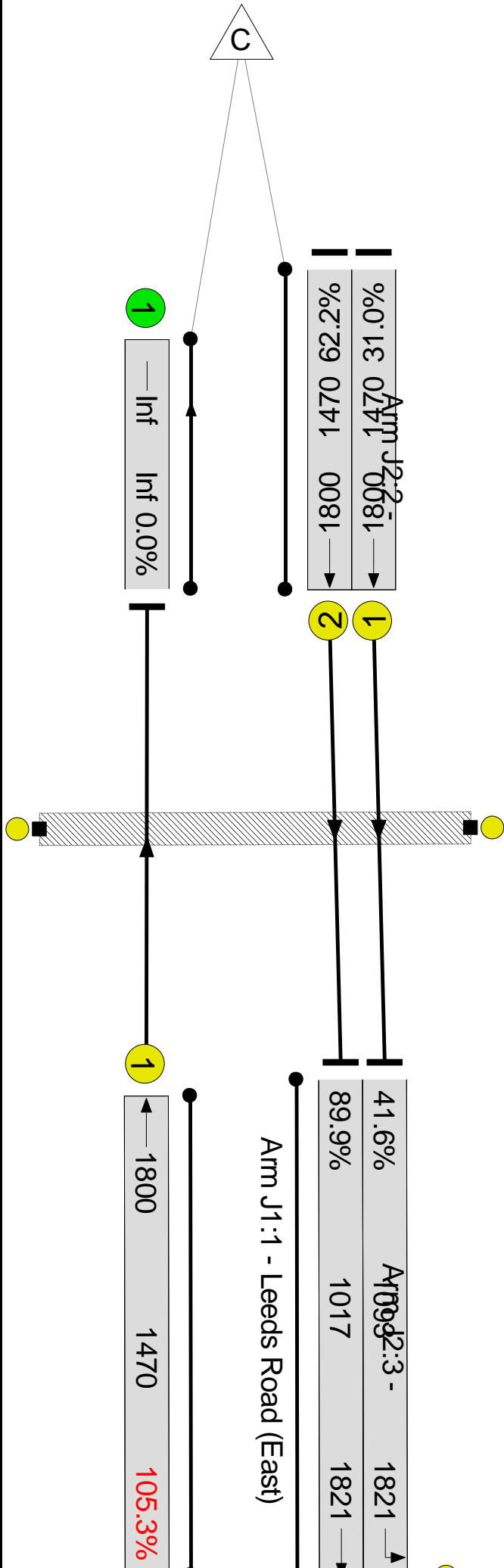
Item	Lane Description	Lane Type	Full Phase	Arrow Phase	Num Greens	Total Green (s)	Arrow Green (s)	Demand Flow (pcu)	Sat Flow (pcu/Hr)	Capacity (pcu)	Deg Sat (%)	Turners In Gaps (pcu)	Turners When Unopposed (pcu)	Turners In Intergreen (pcu)	Total Delay (pcuHr)	Av. Delay Per PCU (s/pcu)	Mean Max Queue (pcu)	
Network	-	-	-		-	-	-	-	-	-	105.0%	0	0	0	121.6	-	-	
J1: Junction	-	-	-		-	-	-	-	-	-	105.0%	0	0	0	74.7	-	-	
1/1	Leeds Road (East) Left	U	C1:C		1	75	-	444	1821	1153	38.5%	-	-	-	1.3	10.5	7.5	
1/2	Leeds Road (East) Ahead	U	C1:B		1	70	-	1131	1821	1077	105.0%	-	-	-	43.8	139.6	74.4	
2/1	Owl Lane Right	U	C1:D		1	34	-	558	1864	544	102.6%	-	-	-	23.5	151.9	35.5	
3/1	Leeds Road (West) Ahead	U	C1:A		1	74	-	975	2028	1267	76.9%	-	-	-	6.0	22.3	24.9	
Ped Link: P1	Unnamed Ped Link	-	C1:E		1	34	-	0	-	0	0.0%	-	-	-	-	-	-	
Ped Link: P2	Unnamed Ped Link	-	C1:F		0	0	-	0	-	0	0.0%	-	-	-	Inf	Inf	Inf	
J2: Crossing	-	-	-		-	-	-	-	-	-	103.3%	0	0	0	46.8	-	-	
1/1	Leeds Road (East) Ahead	U	C2:B		1	97	-	444	1800	1470	30.2%	-	-	-	0.5	4.4	3.8	
1/2	Leeds Road (East) Ahead	U	C2:B		1	97	-	1131	1800	1470	76.9%	-	-	-	3.4	10.7	20.2	
3/1	Ahead	U	C2:A		1	97	-	1533	1800	1470	103.3%	-	-	-	42.9	101.7	87.4	
Ped Link: P1	Unnamed Ped Link	-	C2:C		1	8	-	0	-	0	0.0%	-	-	-	-	-	-	
C1 - Junction					PRC for Signalled Lanes (%):			-16.6	Total Delay for Signalled Lanes (pcuHr):			74.73	Cycle Time (s):			120		
C2 - Crossing					PRC for Signalled Lanes (%):			-14.8	Total Delay for Signalled Lanes (pcuHr):			46.82	Cycle Time (s):			120		
					PRC Over All Lanes (%):			-16.6	Total Delay Over All Lanes(pcuHr):			121.56						

Basic Results Summary

Scenario 14: '2030 DS(A+B) PM' (FG14: '2030 DS(A+B) PM', Plan 1: 'Network Control Plan 1')

Network Layout Diagram

Basic Results Summary



J2: Crossing
 PRC: -17.0 %
 Total Traffic Delay: 60.0 pcuHr
 Ave. Route Delay Per Ped: 0.0 s/Ped
 Controller: 2

Arm J2:2	0681	1800
%0.13	0271	%2.29

1
2

Arm J1:1 - Leeds Road (East)	1821	1821
41.6%	1017	89.9%

1

1

Inf	Inf	0.0%
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1800	1470	105.3%
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Basic Results Summary

Basic Results Summary

Network Results

Item	Lane Description	Lane Type	Full Phase	Arrow Phase	Num Greens	Total Green (s)	Arrow Green (s)	Demand Flow (pcu)	Sat Flow (pcu/Hr)	Capacity (pcu)	Deg Sat (%)	Turners In Gaps (pcu)	Turners When Unopposed (pcu)	Turners In Intergreen (pcu)	Total Delay (pcuHr)	Av. Delay Per PCU (s/pcu)	Mean Max Queue (pcu)	
Network	-	-	-		-	-	-	-	-	-	105.3%	0	0	0	105.4	-	-	
J1: Junction	-	-	-		-	-	-	-	-	-	103.7%	0	0	0	45.5	-	-	
1/1	Leeds Road (East) Left	U	C1:C		1	71	-	455	1821	1093	41.6%	-	-	-	2.0	15.5	7.6	
1/2	Leeds Road (East) Ahead	U	C1:B		1	66	-	914	1821	1017	89.9%	-	-	-	9.0	35.6	31.0	
2/1	Owl Lane Right	U	C1:D		1	38	-	628	1864	606	103.7%	-	-	-	27.8	159.3	40.9	
3/1	Leeds Road (West) Ahead	U	C1:A		1	70	-	942	2028	1200	78.5%	-	-	-	6.7	25.6	25.6	
Ped Link: P1	Unnamed Ped Link	-	C1:E		1	38	-	0	-	0	0.0%	-	-	-	-	-	-	
Ped Link: P2	Unnamed Ped Link	-	C1:F		0	0	-	0	-	0	0.0%	-	-	-	Inf	Inf	Inf	
J2: Crossing	-	-	-		-	-	-	-	-	-	105.3%	0	0	0	60.0	-	-	
1/1	Leeds Road (East) Ahead	U	C2:B		1	97	-	455	1800	1470	31.0%	-	-	-	0.6	4.5	3.9	
1/2	Leeds Road (East) Ahead	U	C2:B		1	97	-	914	1800	1470	62.2%	-	-	-	1.9	7.3	12.0	
3/1	Ahead	U	C2:A		1	97	-	1570	1800	1470	105.3%	-	-	-	57.5	133.8	101.3	
Ped Link: P1	Unnamed Ped Link	-	C2:C		1	8	-	0	-	0	0.0%	-	-	-	-	-	-	
C1 - Junction					PRC for Signalled Lanes (%):			-15.2	Total Delay for Signalled Lanes (pcuHr):			45.48		Cycle Time (s): 120				
C2 - Crossing					PRC for Signalled Lanes (%):			-17.0	Total Delay for Signalled Lanes (pcuHr):			59.97		Cycle Time (s): 120				
					PRC Over All Lanes (%):			-17.0	Total Delay Over All Lanes(pcuHr):			105.45						