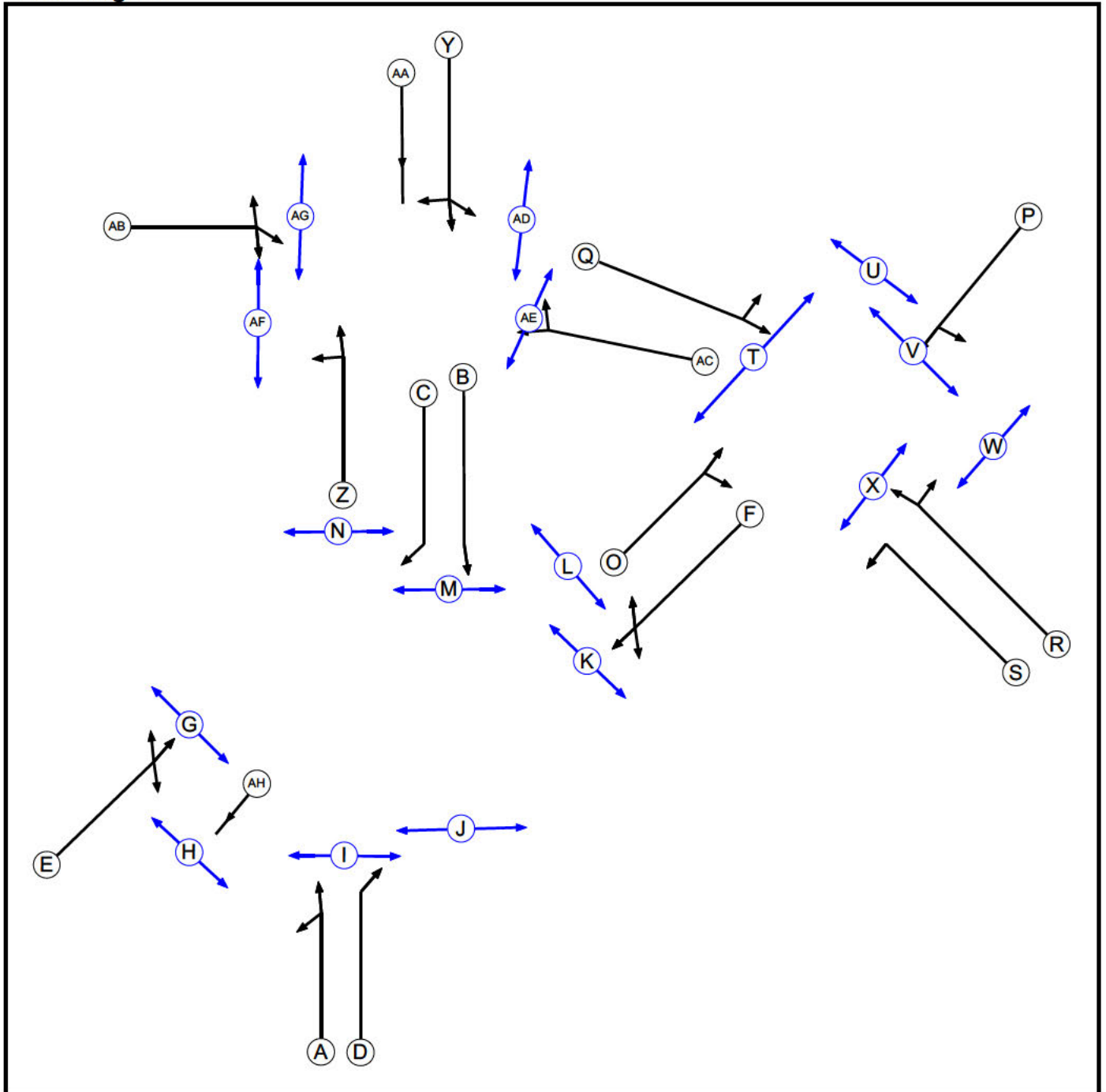


User and Project Details

Project:	R42 Full Modelled Timing Review
Title:	R42 - Purley Way Fiveways
Location:	Croydon
File name:	BW PRO (2031) Option 9 LT EPSOM V2 - APPRx.lsg3x
Author:	
Company:	Transport for London
Address:	197 Blackfriars Road, London SE1 8NJ
Notes:	

C1 - 20/013 and 20/089
Phase Diagram

Phase Input Data

Phase Name	Phase Type	Stage Stream	Assoc. Phase	Street Min	Cont Min
A	Traffic	1		-9999	7
B	Traffic	1		-9999	7
C	Traffic	1		-9999	7
D	Traffic	1		-9999	7
E	Traffic	1		-9999	7
F	Traffic	1		-9999	7
G	Pedestrian	1		-9999	6
H	Pedestrian	1		-9999	6
I	Pedestrian	1		-9999	6
J	Pedestrian	1		-9999	6
K	Pedestrian	1		-9999	6
L	Pedestrian	1		-9999	6
M	Pedestrian	1		-9999	6
N	Pedestrian	1		-9999	6
O	Traffic	2		-9999	7
P	Traffic	2		-9999	7
Q	Traffic	2		-9999	7
R	Traffic	2		-9999	7
S	Traffic	2		-9999	7
T	Pedestrian	2		-9999	6
U	Pedestrian	2		-9999	6
V	Pedestrian	2		-9999	6
W	Pedestrian	2		-9999	6
X	Pedestrian	2		-9999	6
Y	Traffic	3		-9999	7
Z	Traffic	3		-9999	7
AA	Traffic	3		-9999	7
AB	Traffic	3		-9999	7
AC	Traffic	3		-9999	7
AD	Pedestrian	3		-9999	6
AE	Pedestrian	3		-9999	6
AF	Pedestrian	3		-9999	6
AG	Pedestrian	3		-9999	6
AH	Traffic	1		-9999	7

Phase Intergreens Matrix

[illegible]

Phases in Stage

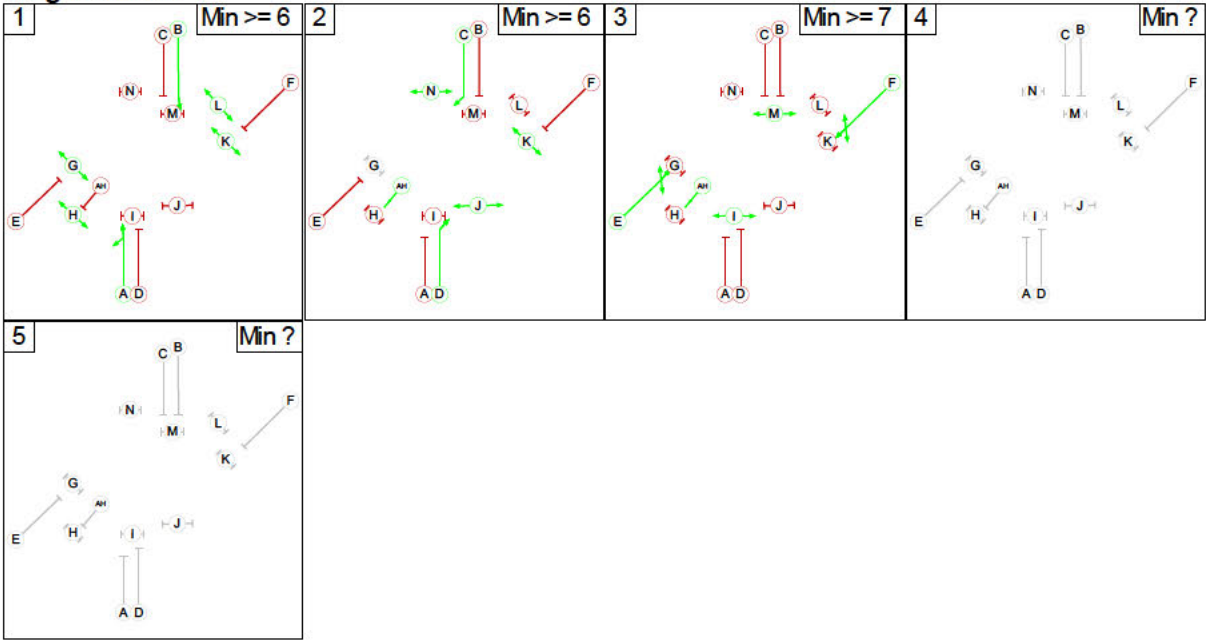
Stream	Stage No.	Phases in Stage
1	1	A B G H K L
1	2	C D J K N A H

Signal Configuration Data

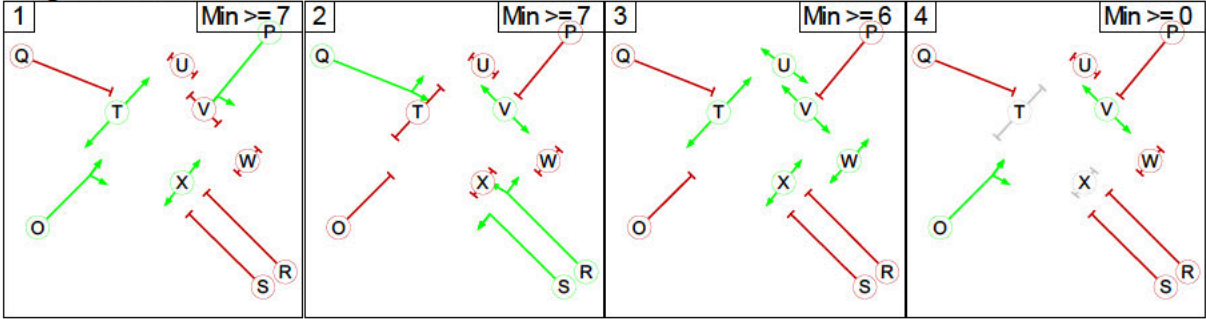
1	3	E F I M A H
1	4	
1	5	
2	1	O P T X
2	2	Q R S V
2	3	T U V W X
2	4	O V
3	1	Y Z A G
3	2	A C A D A G
3	3	A B A E A F

Stage Diagram

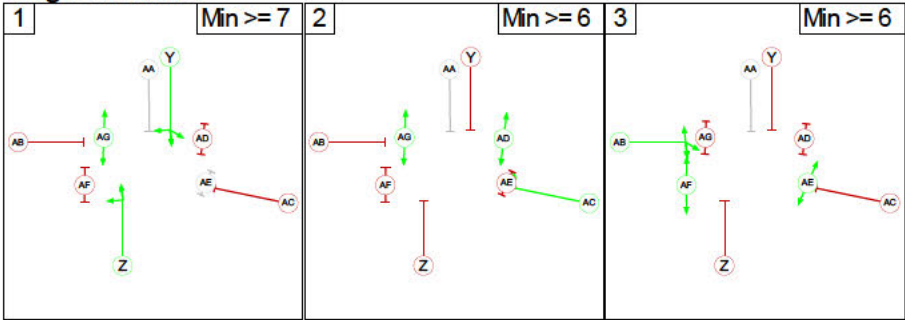
Stage Stream: 1



Stage Stream: 2



Stage Stream: 3



Phase Delays**Stage Stream: 1**

Term. Stage	Start Stage	Phase	Type	Value	Cont value
1	2	A	Losing	3	3
1	2	B	Losing	3	3
2	3	C	Losing	3	3
2	3	D	Losing	3	3
3	1	E	Losing	2	2
3	1	F	Losing	2	2
3	1	AH	Losing	25	25

Stage Stream: 2

Term. Stage	Start Stage	Phase	Type	Value	Cont value
1	2	O	Losing	10	10
1	2	P	Losing	8	8
4	2	S	Gaining absolute	5	3

Stage Stream: 3

Term. Stage	Start Stage	Phase	Type	Value	Cont value
2	1	AC	Losing	1	1
3	1	AB	Losing	1	1
3	2	AB	Losing	1	1

Prohibited Stage Change**Stage Stream: 1**

		To Stage				
		1	2	3	4	5
From Stage	1		13	10	X	X
	2	15		8	X	X
	3	30	12		X	X
	4	X	X	X		X
	5	X	X	X	X	

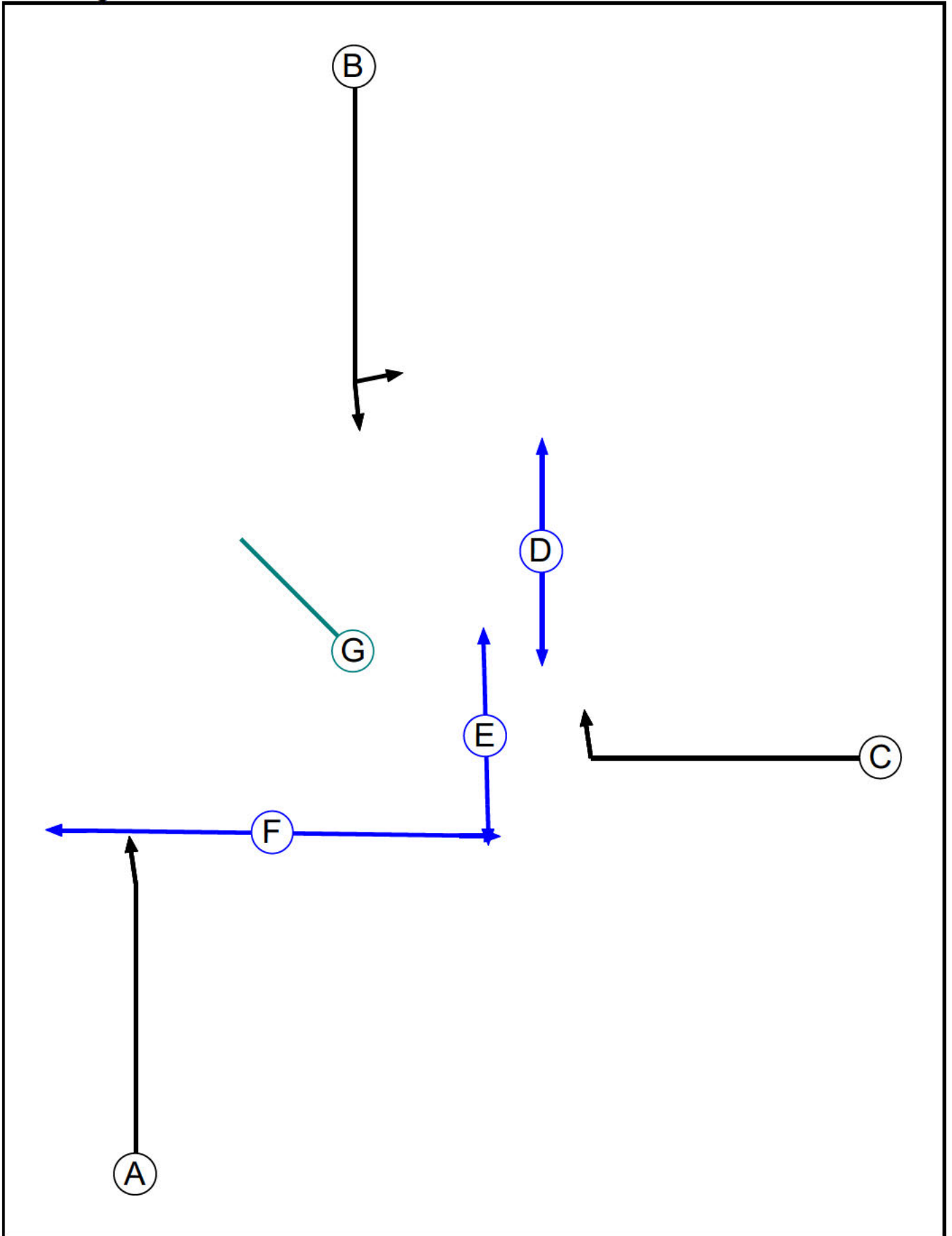
Stage Stream: 2

		To Stage			
		1	2	3	4
From Stage	1		17	10	6
	2	10		11	6
	3	10	17		8
	4	10	6	10	

From Stage	To Stage		
	1	2	3
	1		8
	2	8	
	3	8	11

C2 - 20/011

Phase Diagram



Phase Input Data

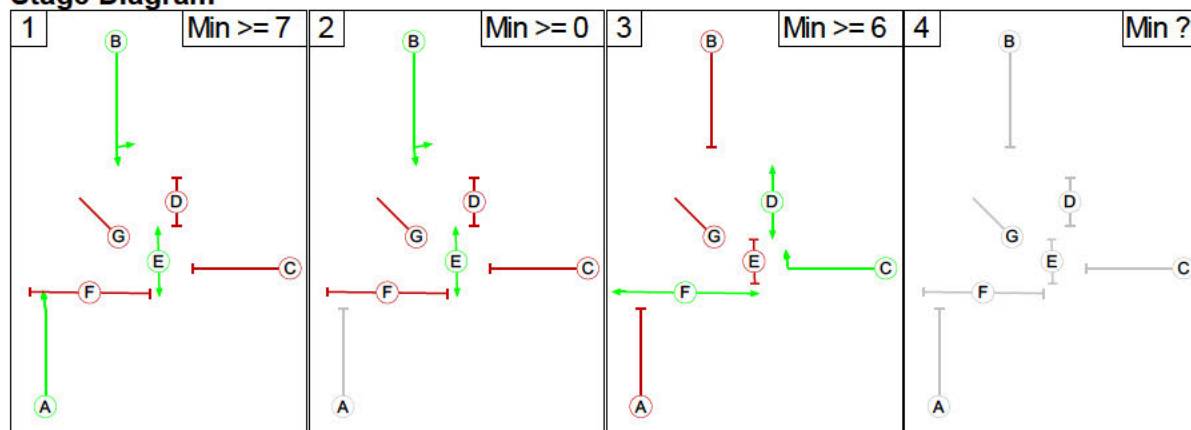
Phase Name	Phase Type	Assoc. Phase	Street Min	Cont Min
A	Traffic		-9999	7
B	Traffic		-9999	7
C	Traffic		-9999	7
D	Pedestrian		-9999	6
E	Pedestrian		-9999	6
F	Pedestrian		-9999	6
G	Dummy		-9999	3

Phase Intergreens Matrix

Terminating Phase	Starting Phase							
		A	B	C	D	E	F	G
	A		-	5	-	-	5	3
	B	-		6	8	-	8	3
	C	7	7		-	6	-	3
	D	-	10	-		-	-	4
	E	-	-	10	-		-	4
	F	18	18	-	-	-		8
	G	2	2	2	2	2	2	

Phases in Stage

Stage No.	Phases in Stage
1	A B E
2	B E
3	C D F
4	

Stage Diagram

Phase Delays

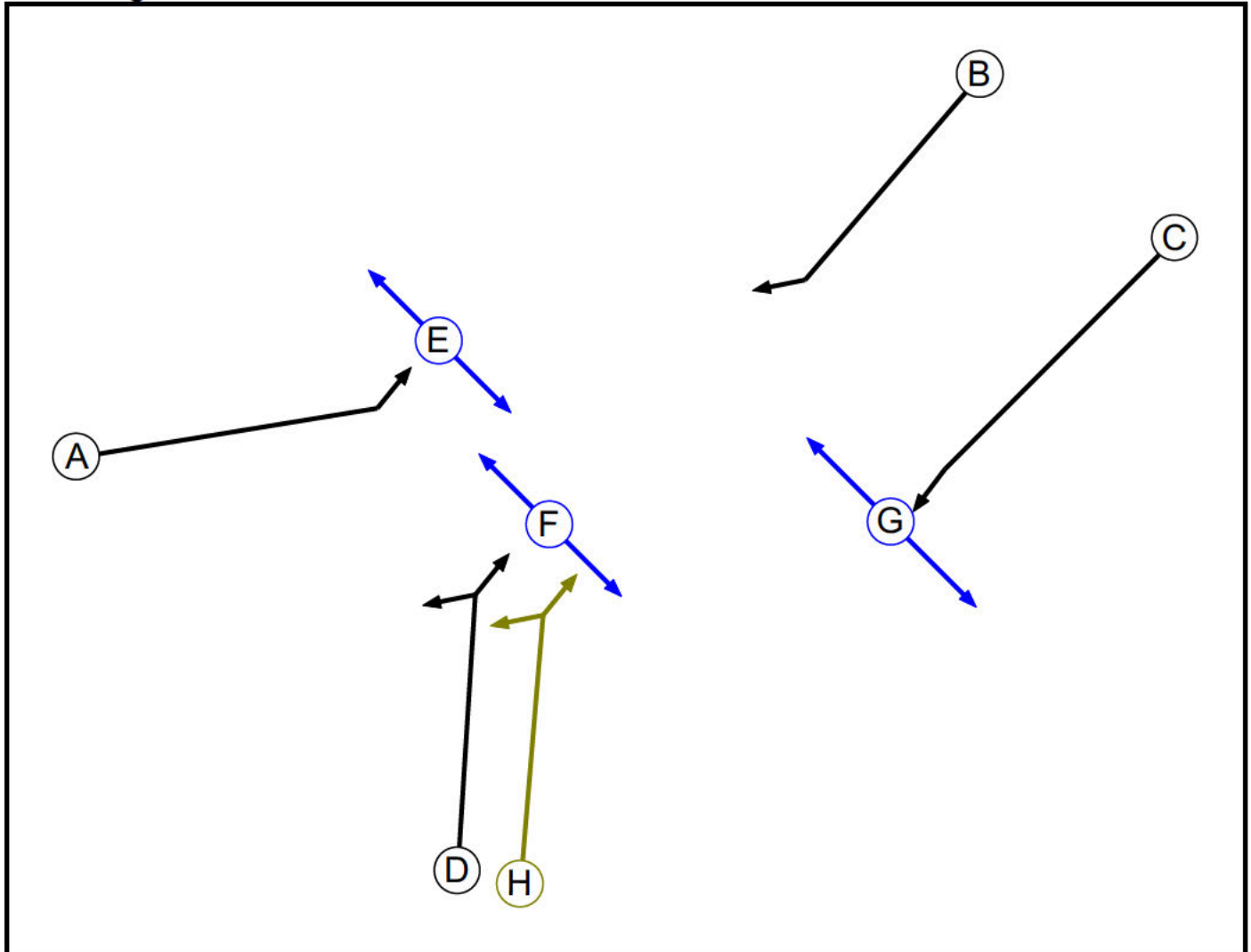
Term. Stage	Start Stage	Phase	Type	Value	Cont value
1	3	A	Losing	3	3
1	3	B	Losing	3	3
2	3	B	Losing	4	4
3	1	A	Gaining absolute	23	21
3	1	B	Gaining absolute	23	21
3	1	C	Losing	12	12
3	1	D	Losing	9	9

Prohibited Stage Change

		To Stage			
		1	2	3	4
From Stage	1		0	11	X
	2	2		12	X
	3	23	18		X
	4	X	X	X	

C3 - 20/075 and 20/076

Phase Diagram



Phase Input Data

Phase Name	Phase Type	Stage Stream	Assoc. Phase	Street Min	Cont Min
A	Traffic	1		-9999	7
B	Traffic	1		-9999	7
C	Traffic	2		-9999	7
D	Traffic	1		-9999	7
E	Pedestrian	1		-9999	6
F	Pedestrian	1		-9999	6
G	Pedestrian	2		-9999	6
H	Filter	1	D	-9999	4

Phase Intergreens Matrix

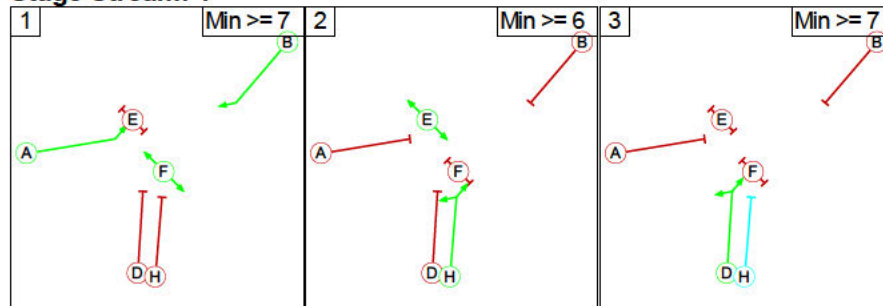
Terminating Phase	Starting Phase								
		A	B	C	D	E	F	G	H
	A		-	-	5	6	-	-	5
	B	-		-	6	9	-	-	5
	C	-	-		-	-	-	6	-
	D	8	7	-		9	6	-	-
	E	10	10	-	10		-	-	-
	F	-	-	-	9	-		-	9
	G	-	-	8	-	-	-		-
	H	8	7	-	-	-	6	-	

Phases in Stage

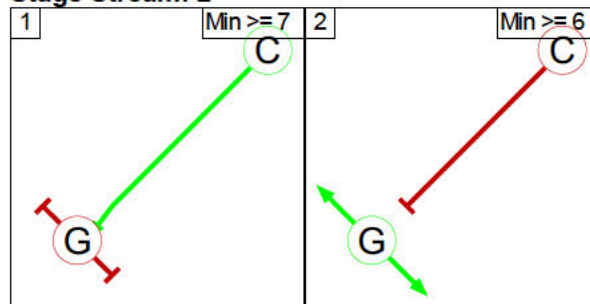
Stream	Stage No.	Phases in Stage
1	1	A B F
1	2	E H
1	3	D
2	1	C
2	2	G

Stage Diagram

Stage Stream: 1



Stage Stream: 2



Phase Delays

Stage Stream: 1

Term. Stage	Start Stage	Phase	Type	Value	Cont value
1	2	A	Losing	3	3
1	3	A	Losing	3	3

Stage Stream: 2

Term. Stage	Start Stage	Phase	Type	Value	Cont value
There are no Phase Delays defined					

Prohibited Stage Change**Stage Stream: 1**

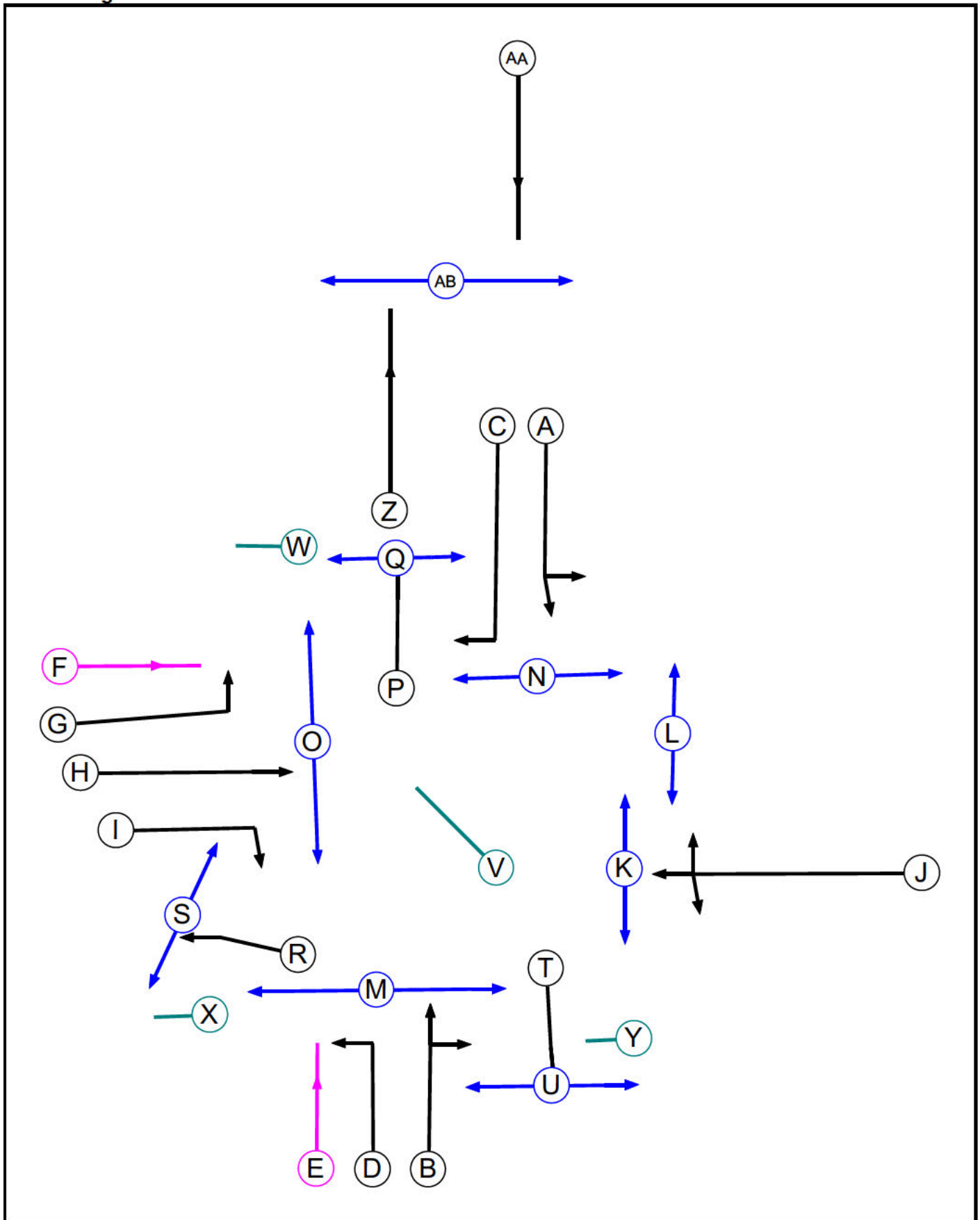
From Stage	To Stage		
	1	2	3
	1		9
	2	X	10

Stage Stream: 2

From Stage	To Stage	
	1	2
	1	6

C4 - 20/016 and 20/021

Phase Diagram



Phase Input Data

Phase Name	Phase Type	Stage Stream	Assoc. Phase	Street Min	Cont Min
A	Traffic	1		-9999	7
B	Traffic	1		-9999	7
C	Traffic	1		-9999	7
D	Traffic	1		-9999	7
E	Cycle	1		-9999	5
F	Cycle	1		-9999	5
G	Traffic	1		-9999	7
H	Traffic	1		-9999	7
I	Traffic	1		-9999	7
J	Traffic	1		-9999	7
K	Pedestrian	1		-9999	6
L	Pedestrian	1		-9999	6
M	Pedestrian	1		-9999	6
N	Pedestrian	1		-9999	6
O	Pedestrian	1		-9999	6
P	Traffic	2		-9999	7
Q	Pedestrian	2		-9999	6
R	Traffic	3		-9999	7
S	Pedestrian	3		-9999	6
T	Traffic	4		-9999	7
U	Pedestrian	4		-9999	6
V	Dummy	1		-9999	3
W	Dummy	2		-9999	3
X	Dummy	3		-9999	3
Y	Dummy	4		-9999	3
Z	Traffic	5		-9999	7
AA	Traffic	5		-9999	7
AB	Pedestrian	5		-9999	8

Phase Intergreens Matrix

		Starting Phase																											
		A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	AA	AB
Terminating Phase	A		-	-	-	-	5	-	5	5	6	-	10	-	6	-	-	-	-	-	-	-	3	-	-	-	-	-	-
	B	-		6	-	-	6	6	6	5	6	-	13	6	-	-	-	-	-	-	-	-	3	-	-	-	-	-	-
	C	-	8		9	10	5	-	5	5	5	-	-	6	-	-	-	-	-	-	-	3	-	-	-	-	-	-	
	D	-	-	5		5	-	-	-	-	5	-	-	5	-	-	-	-	-	-	-	3	-	-	-	-	-	-	
	E	-	-	5	5		8	7	7	6	5	-	-	5	-	-	-	-	-	-	-	3	-	-	-	-	-	-	
	F	7	5	7	-	5		5	5	-	5	-	11	-	-	5	-	-	-	-	-	3	-	-	-	-	-	-	
	G	-	5	-	-	5	5		-	-	5	-	-	-	-	5	-	-	-	-	-	3	-	-	-	-	-	-	
	H	5	5	6	-	5	5	-		-	6	-	11	-	-	5	-	-	-	-	-	3	-	-	-	-	-	-	
	I	6	7	5	-	5	-	-	-		7	-	-	-	-	5	-	-	-	-	-	3	-	-	-	-	-	-	
	J	7	7	7	8	9	9	9	9	8		5	-	-	-	-	-	-	-	-	-	3	-	-	-	-	-	-	
	K	-	-	-	-	-	-	-	-	-	8		-	-	-	-	-	-	-	-	-	3	-	-	-	-	-	-	
	L	8	8	-	-	-	8	-	8	-	-		-	-	-	-	-	-	-	-	-	3	-	-	-	-	-	-	
	M	-	20	-	20	20	-	-	-	-	-	-		-	-	-	-	-	-	-	-	9	-	-	-	-	-	-	
	N	11	-	11	-	-	-	-	-	-	-	-	-		-	-	-	-	-	-	-	6	-	-	-	-	-	-	
	O	-	-	-	-	-	14	14	14	14	-	-	-	-		-	-	-	-	-	-	9	-	-	-	-	-	-	
	P	-	-	-	-	-	-	-	-	-	-	-	-	-	-		5	-	-	-	-	-	3	-	-	-	-	-	
	Q	-	-	-	-	-	-	-	-	-	-	-	-	-	-	8		-	-	-	-	-	3	-	-	-	-	-	
	R	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		5	-	-	-	-	3	-	-	-	-	
	S	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	9		-	-	-	-	4	-	-	-	-	
	T	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		5	-	-	-	3	-	-	-	
	U	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	8		-	-	-	3	-	-	-	
	V	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	-	-	-	-	-		-	-	-	-	-	-	
	W	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	2	2	-	-	-	-		-	-	-	-	-	
	X	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	2	2	-	-	-		-	-	-	-	
	Y	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	2	2	-	-		-	-	-	
	Z	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		-	-	6	
	AA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		-	6	
	AB	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	12	12	

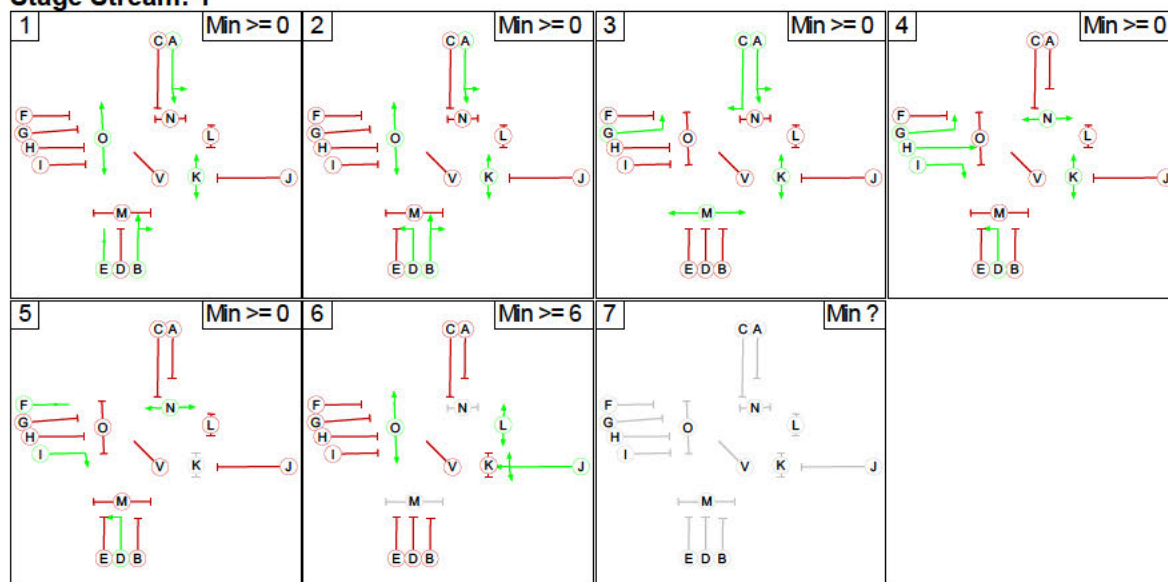
Phases in Stage

Stream	Stage No.	Phases in Stage
1	1	ABEKO
1	2	ABDKO
1	3	ACGKM
1	4	DGHIKN
1	5	DFIN
1	6	JLO
1	7	
2	1	P

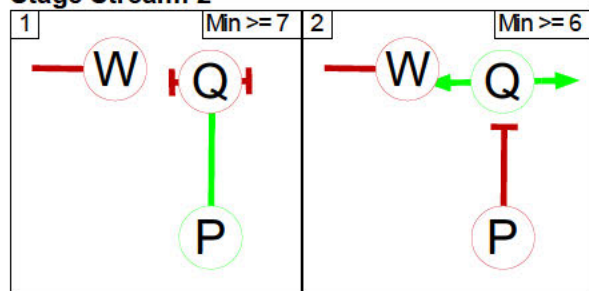
2	2	Q
3	1	R
3	2	S
4	1	T
4	2	U
5	1	Z AA
5	2	AB

Stage Diagram

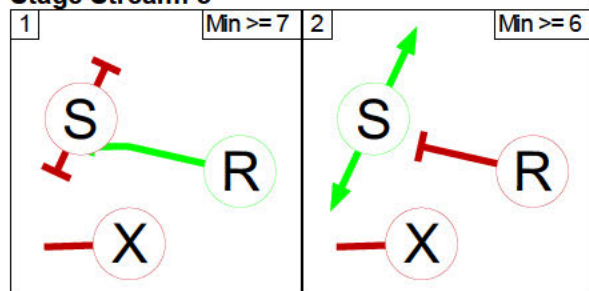
Stage Stream: 1

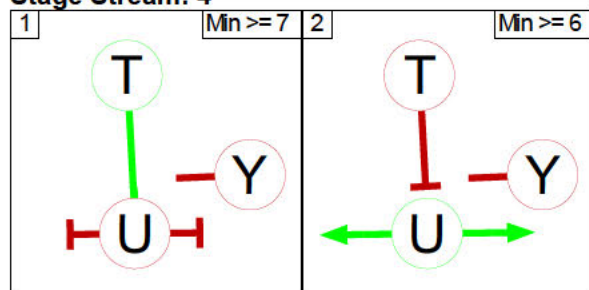
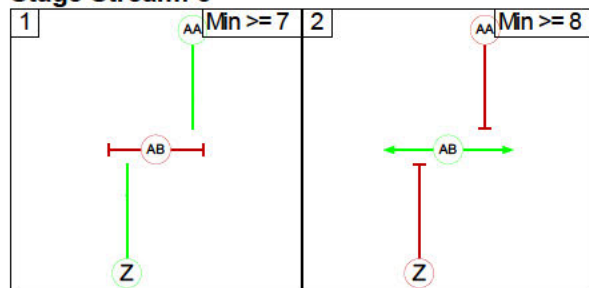


Stage Stream: 2



Stage Stream: 3



Stage Stream: 4**Stage Stream: 5****Phase Delays****Stage Stream: 1**

Term. Stage	Start Stage	Phase	Type	Value	Cont value
2	3	B	Losing	8	8
2	3	D	Losing	8	8
3	4	A	Losing	7	7
3	4	C	Losing	7	7
5	6	D	Losing	4	4
6	1	J	Losing	1	1

Stage Stream: 2

Term. Stage	Start Stage	Phase	Type	Value	Cont value
There are no Phase Delays defined					

Stage Stream: 3

Term. Stage	Start Stage	Phase	Type	Value	Cont value
There are no Phase Delays defined					

Stage Stream: 4

Term. Stage	Start Stage	Phase	Type	Value	Cont value
There are no Phase Delays defined					

Stage Stream: 5

Term. Stage	Start Stage	Phase	Type	Value	Cont value
There are no Phase Delays defined					

Prohibited Stage Change
Stage Stream: 1

	To Stage						
	1	2	3	4	5	6	7
From Stage	1		5	14	14	14	13 X
	2	5		14	14	14	13 X
	3	20	20		20	20	10 X
	4	11	11	11		5	11 X
	5	11	11	11	5		11 X
	6	10	8	14	14	14	
	7	X	X	X	X	X	

Stage Stream: 2

	To Stage	
	1	2
From Stage	1	5
	2	8

Stage Stream: 3

	To Stage	
	1	2
From Stage	1	5
	2	9

Stage Stream: 4

	To Stage	
	1	2
From Stage	1	5
	2	8

Stage Stream: 5

	To Stage	
	1	2
From Stage	1	6
	2	12