

APPENDIX R: MERGE/DIVERGE ASSESSMENT

TABLE 1 - 2015 Base, M6 Junction 12 flows

* Merge / diverge flows on the slip roads for M6 Junction 12 have been sourced from HE VISSIM Model

Location	Mainline Flow		Merge / Diverge Flow	
	AM Peak	PM Peak	AM Peak	PM Peak
Northbound on-slip (merge)	4146	4728	546	524
Southbound off-slip (diverge)	4239	4647	632	544
Southbound on-slip (merge)	3918	4369	317	278
Northbound off-slip (diverge)	3870	4628	276	432

TABLE 2 - 2015 Merge / Diverge requirement, M6 Junction 12

* Table 2 produced using the requirements contained in DMRB Volume 6 Section 2 Part 1 - Chapter 2 of TD22/06.

Location	Current Type Provided	2015 Base Requirement	
		AM Peak	PM Peak
Northbound on-slip (merge)	B	A or D	A or D
Southbound off-slip (diverge)	A	A	A
Southbound on-slip (merge)	B	A or D	A or D
Northbound off-slip (diverge)	A	A	A

TABLE 3 - 2021 Base, M6 Junction 12 flows

* Merge / diverge flows on the slip roads for M6 Junction 12 have been sourced from HE VISSIM Model

Location	Mainline Flow		Merge / Diverge Flow	
	AM Peak	PM Peak	AM Peak	PM Peak
Northbound on-slip (merge)	4012	4509	562	561
Southbound off-slip (diverge)	4105	4613	664	595
Southbound on-slip (merge)	4110	4606	341	331
Northbound off-slip (diverge)	4044	4488	327	547

TABLE 4 - 2021 Development Only, M6 Junction 12 flows

Location	Mainline Flow		Merge / Diverge Flow	
	AM Peak	PM Peak	AM Peak	PM Peak
Northbound on-slip (merge)	1	-2	34	66
Southbound off-slip (diverge)	-3	0	76	41
Southbound on-slip (merge)	-2	0	107	224
Northbound off-slip (diverge)	-2	0	200	176

TABLE 5 - 2021 With Development, M6 Junction 12 flows

Location	Mainline Flow		Merge / Diverge Flow	
	AM Peak	PM Peak	AM Peak	PM Peak
Northbound on-slip (merge)	4014	4590	597	638
Southbound off-slip (diverge)	4100	4726	741	660
Southbound on-slip (merge)	4099	4710	461	638
Northbound off-slip (diverge)	4007	4578	564	853

TABLE 6 - 2021 Merge / Diverge requirement, M6 Junction 12

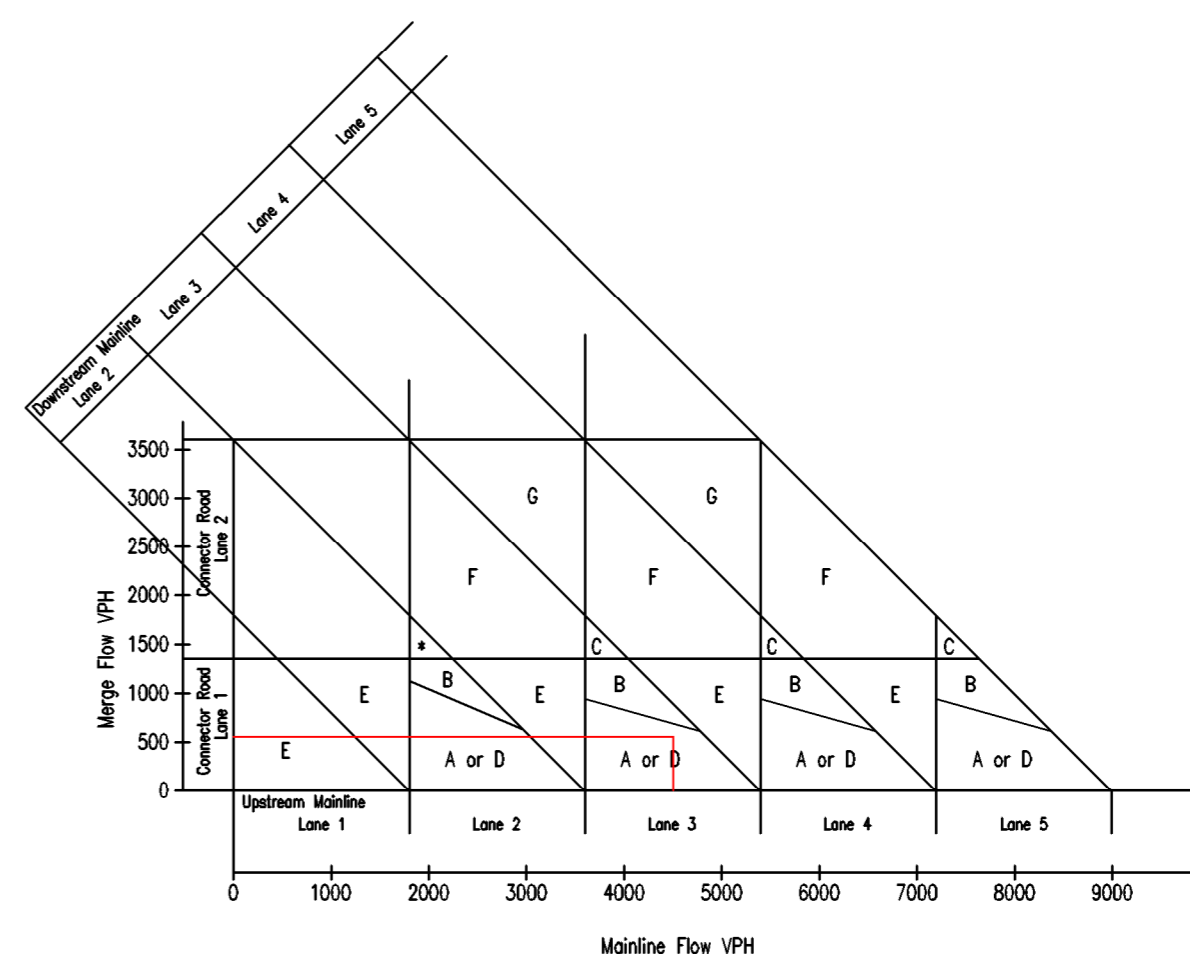
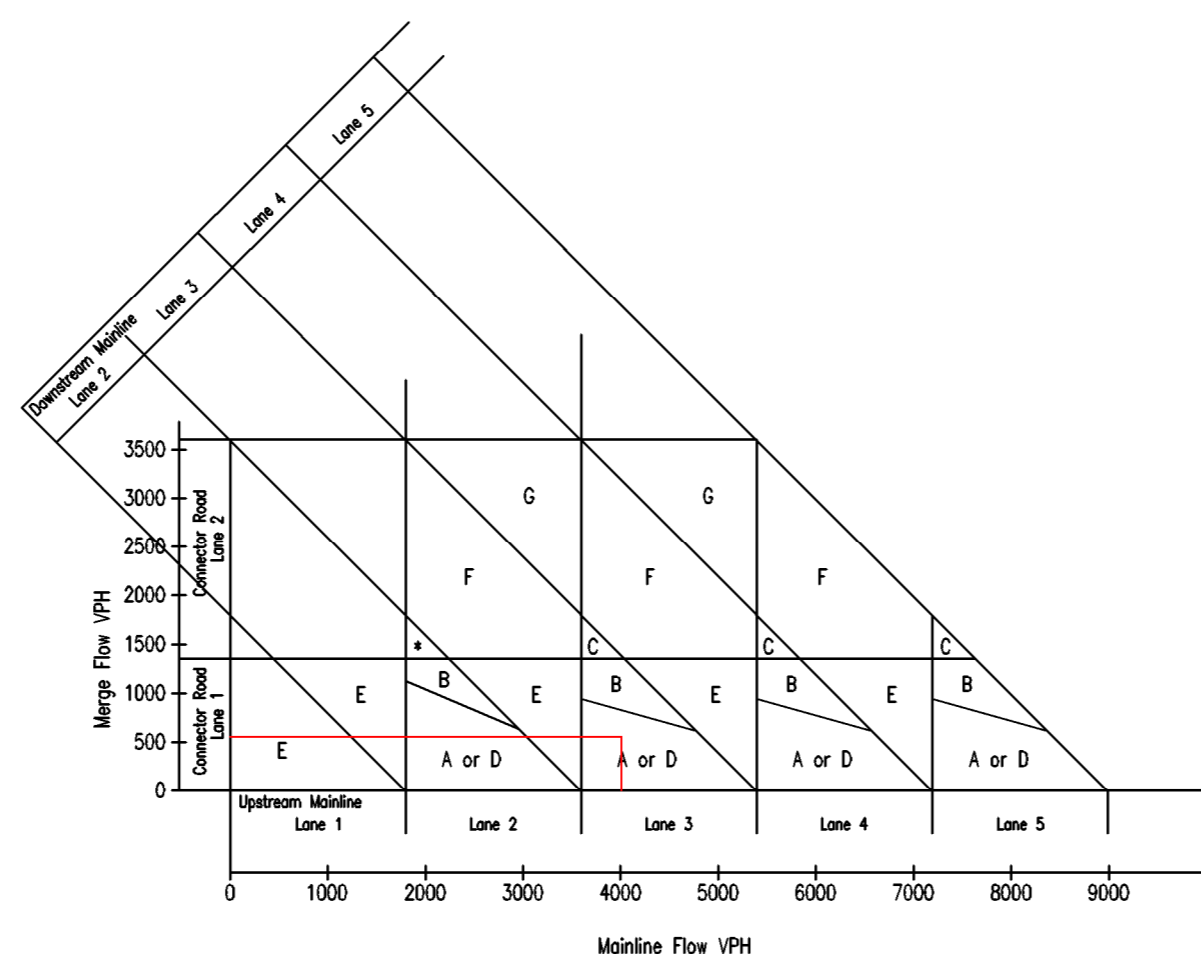
* Table 6 produced using the requirements contained in DMRB Volume 6 Section 2 Part 1 - Chapter 2 of TD22/06.

Location	Current Type Provided	2021 Base Requirement		2021 With Development Requirement	
		AM Peak	PM Peak	AM Peak	PM Peak
Northbound on-slip (merge)	B	A or D	A or D	A or D	A or D
Southbound off-slip (diverge)	A	A	A	A	A
Southbound on-slip (merge)	B	A or D	A or D	A or D	A or D
Northbound off-slip (diverge)	A	A	A	A	C (4 upstream, 3 downstream)

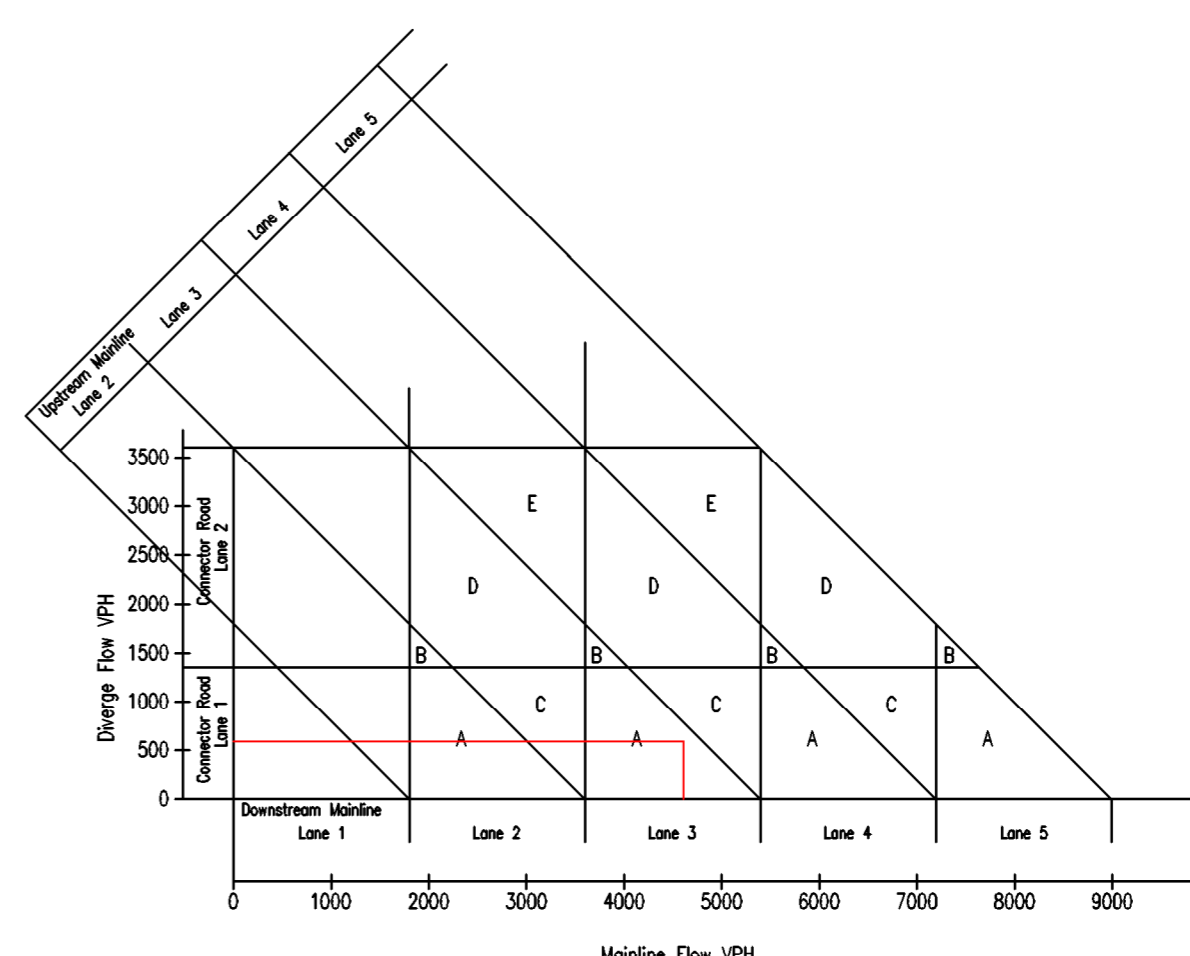
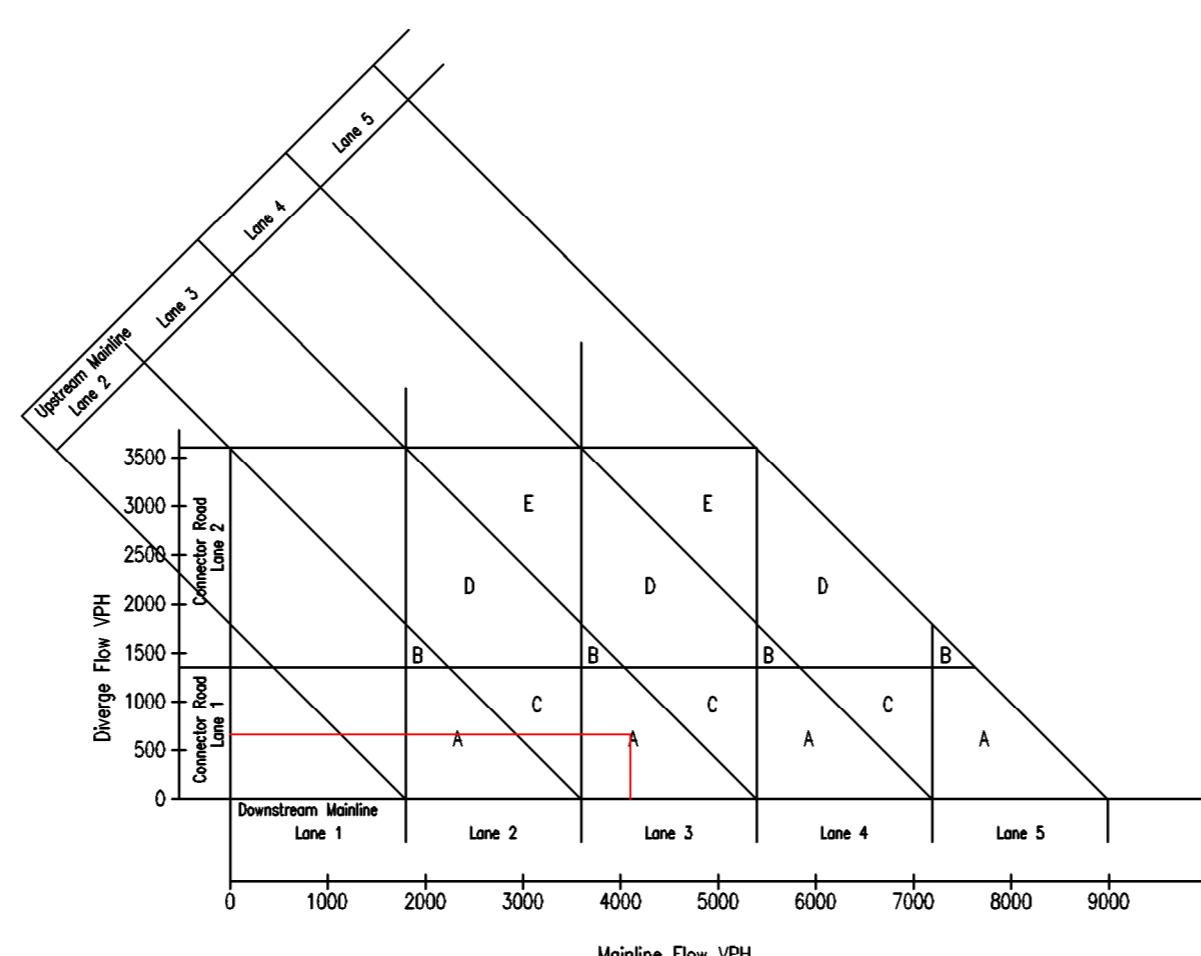
AM Peak

PM Peak

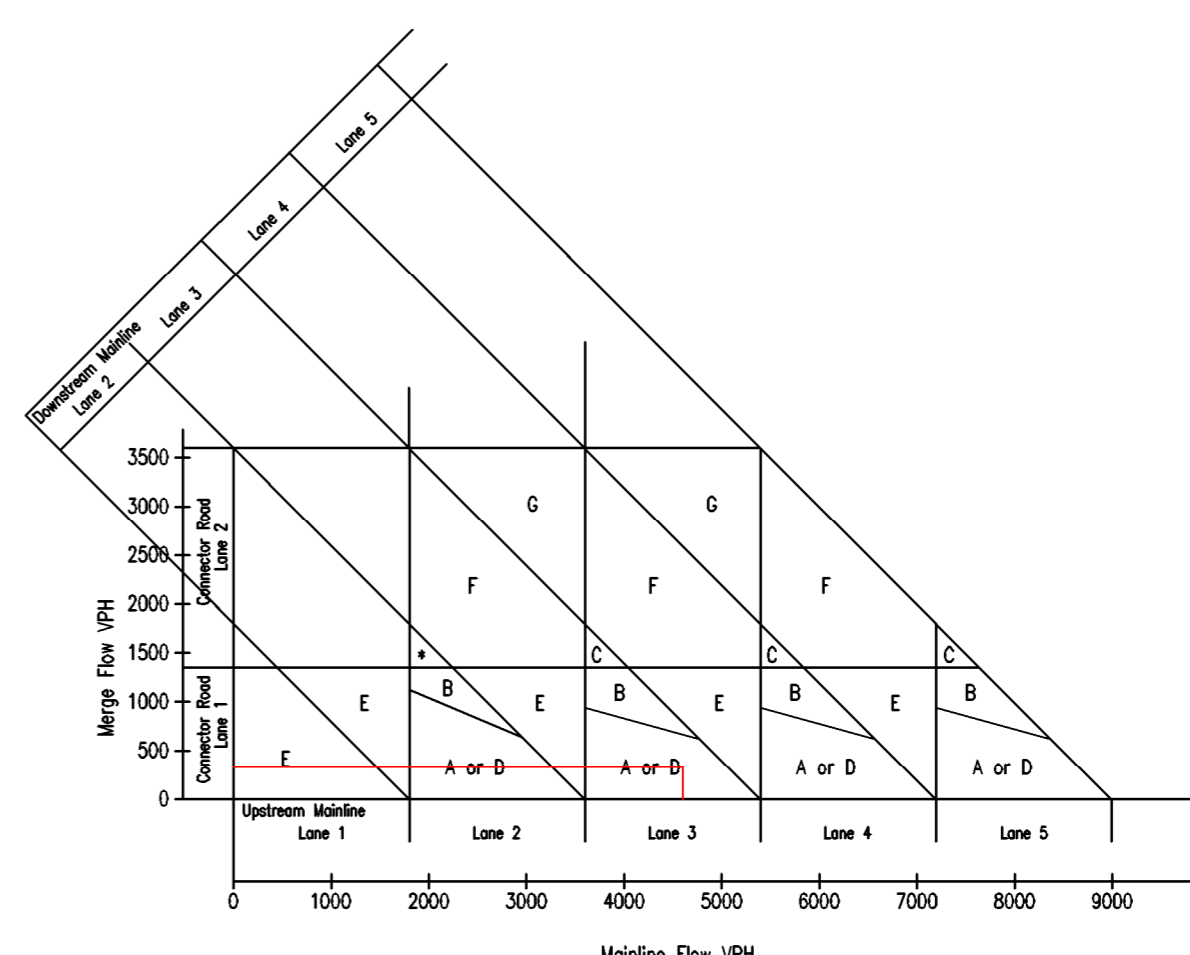
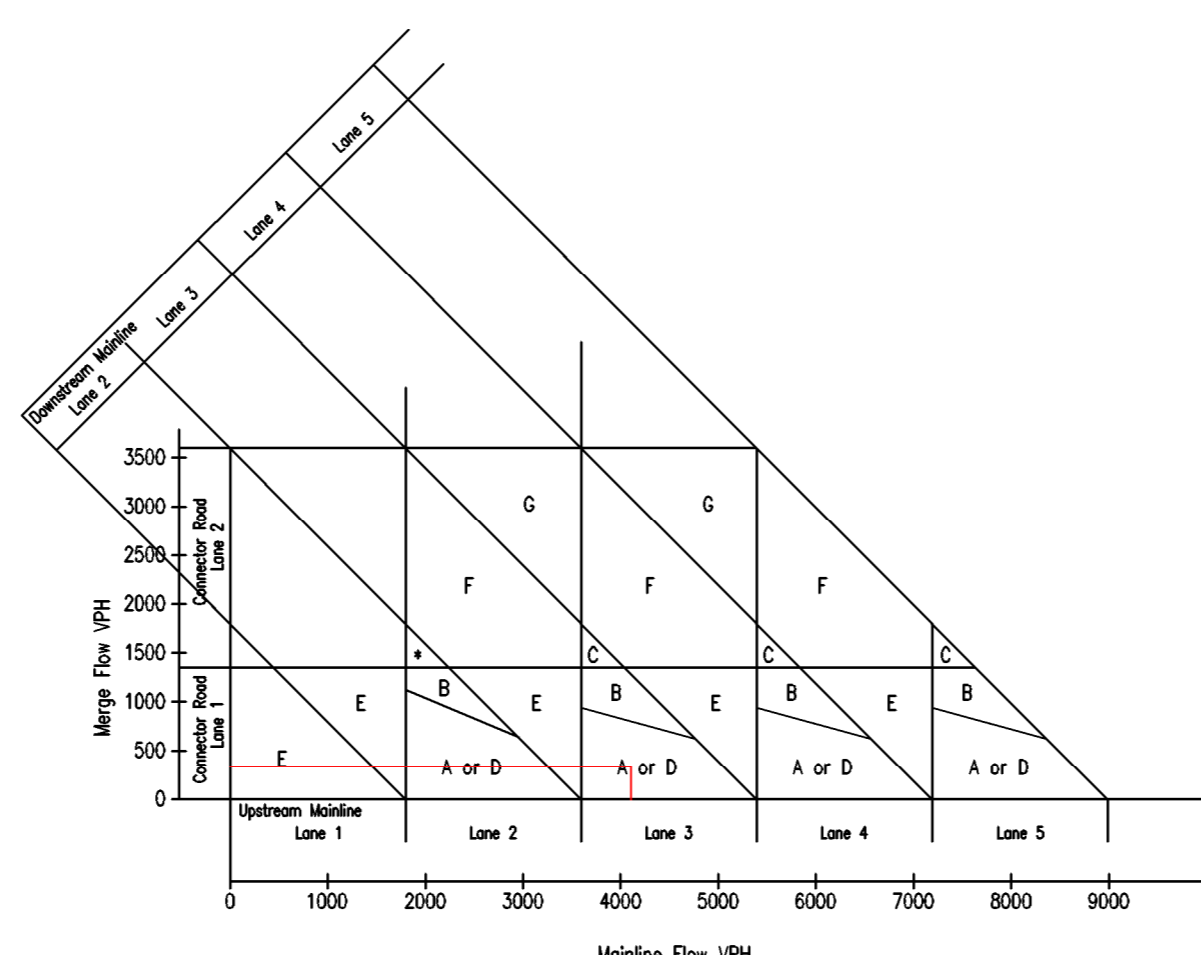
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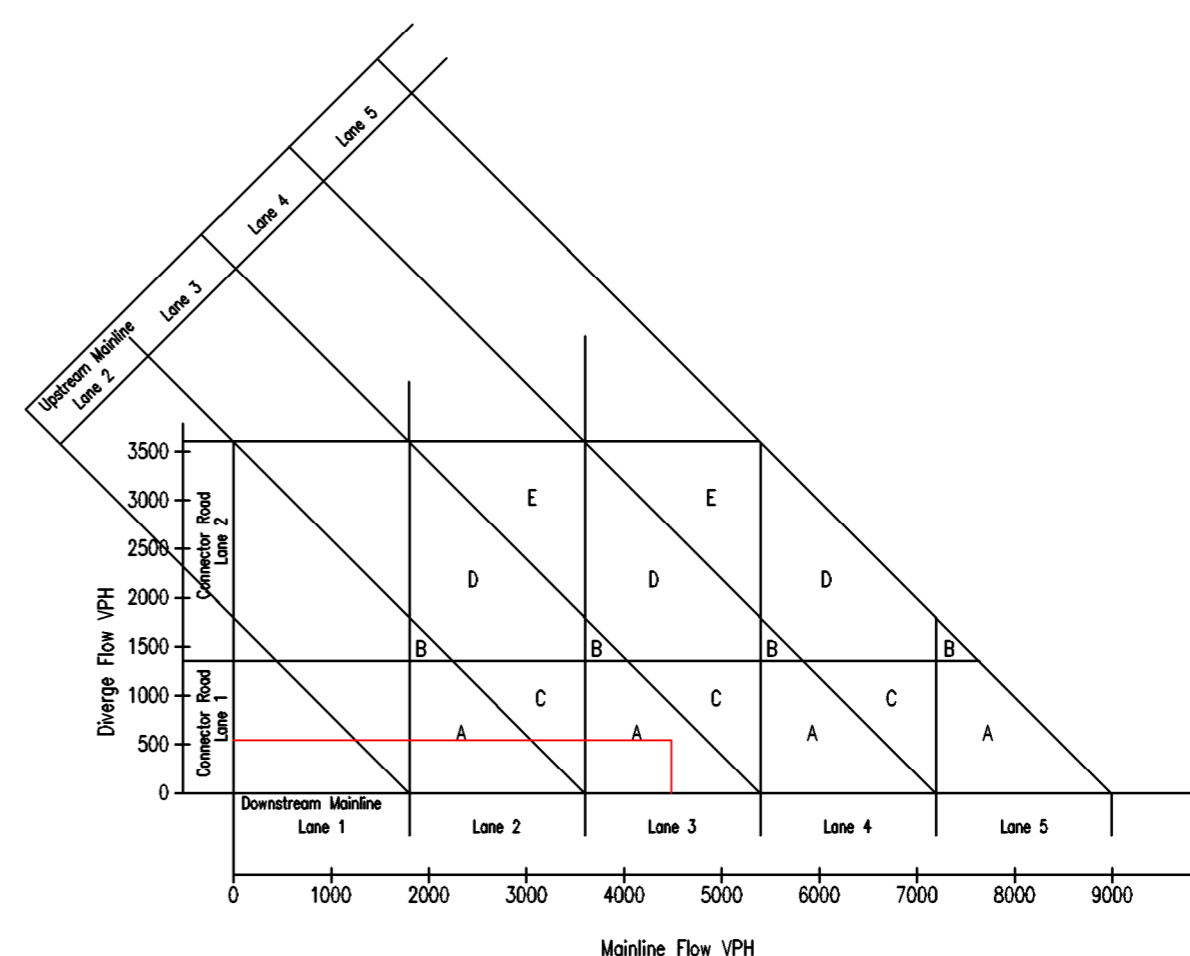
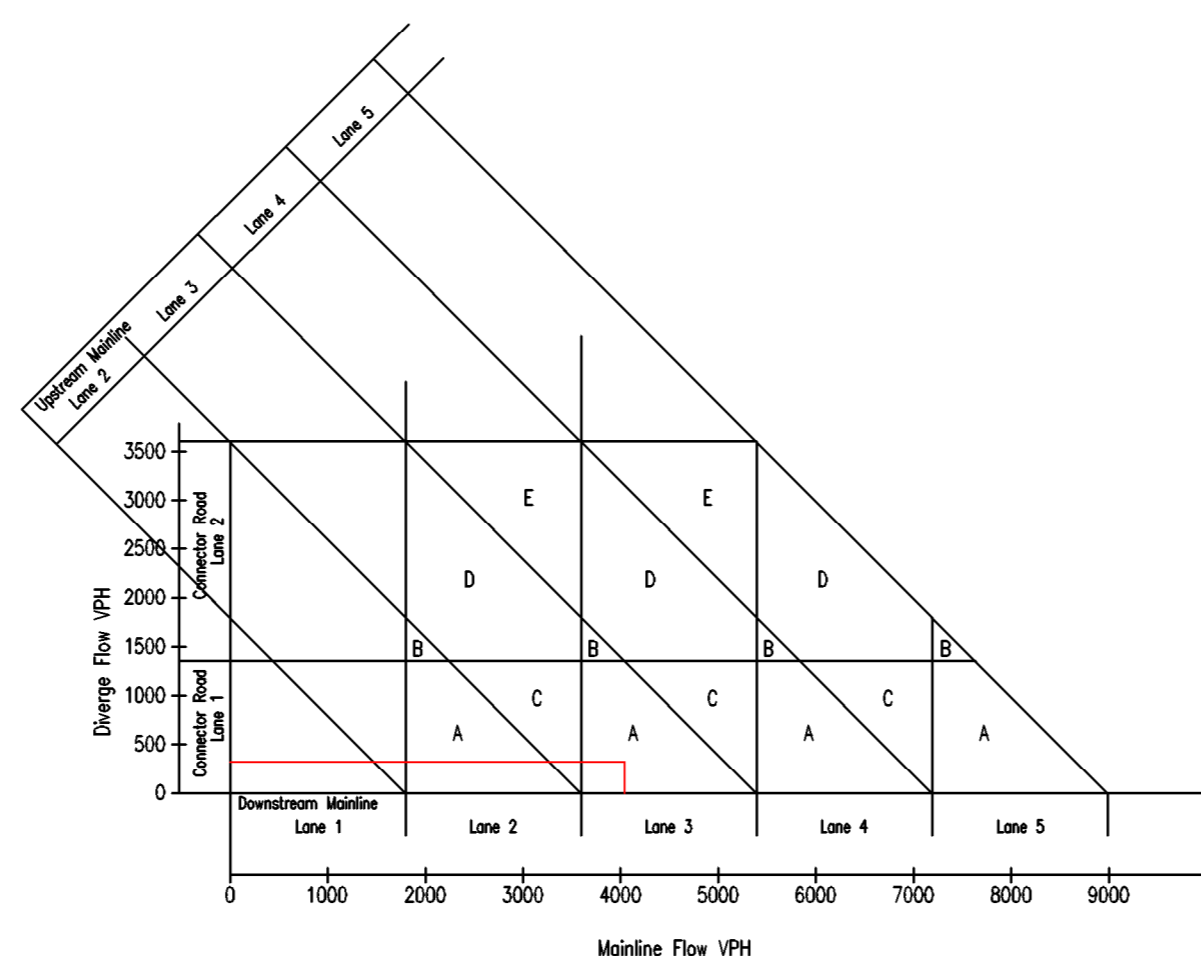
SB Diverge



SB Merge



NB Diverge



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Mountbatten House
 Basingstoke
 RG21 4HJ, UK
 T + 44 (0) 1256 318 800
 F + 44 (0) 1256 318 700
 wsp.com

CLIENT: WEST MIDLANDS INTERCHANGE

ARCHITECT:

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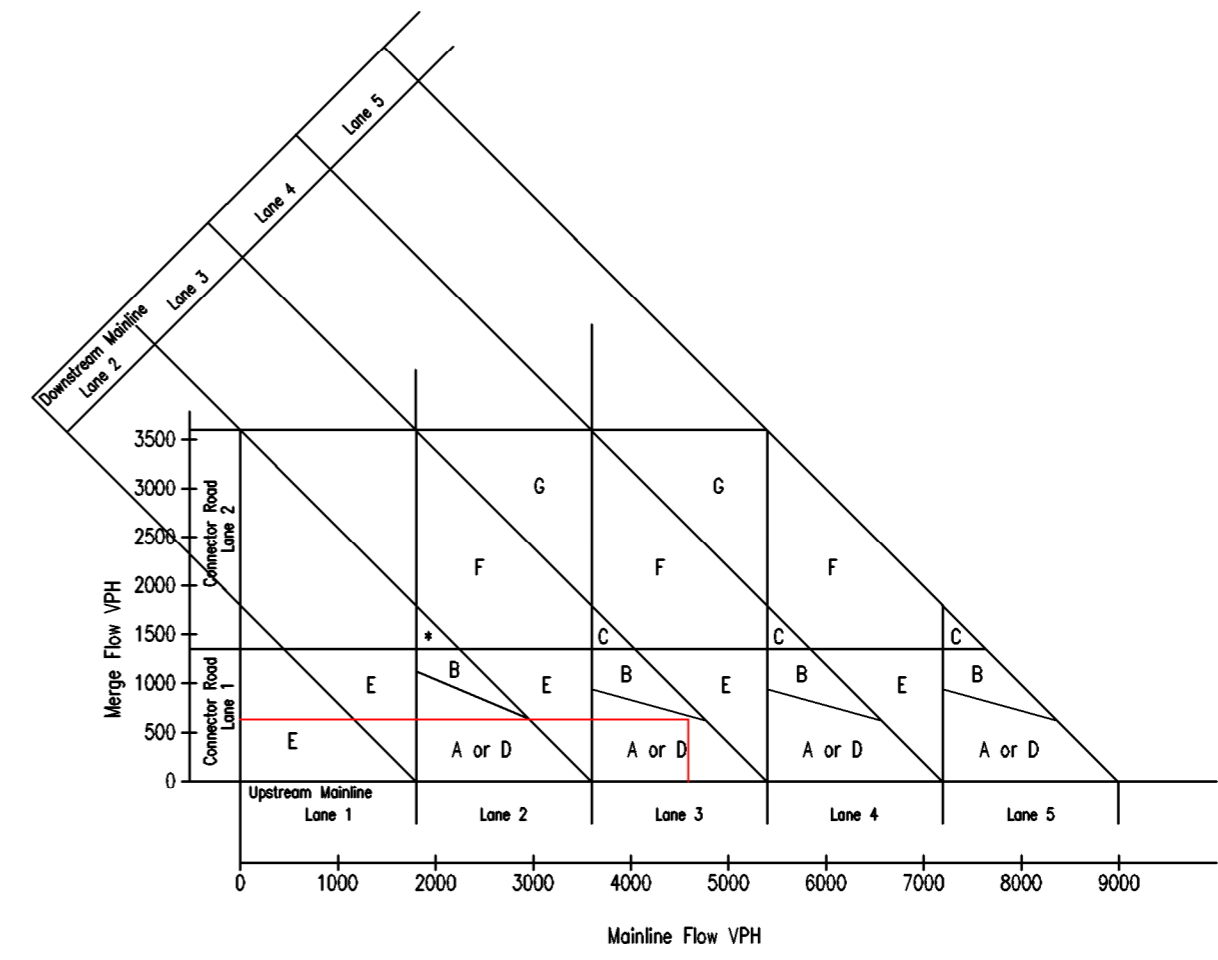
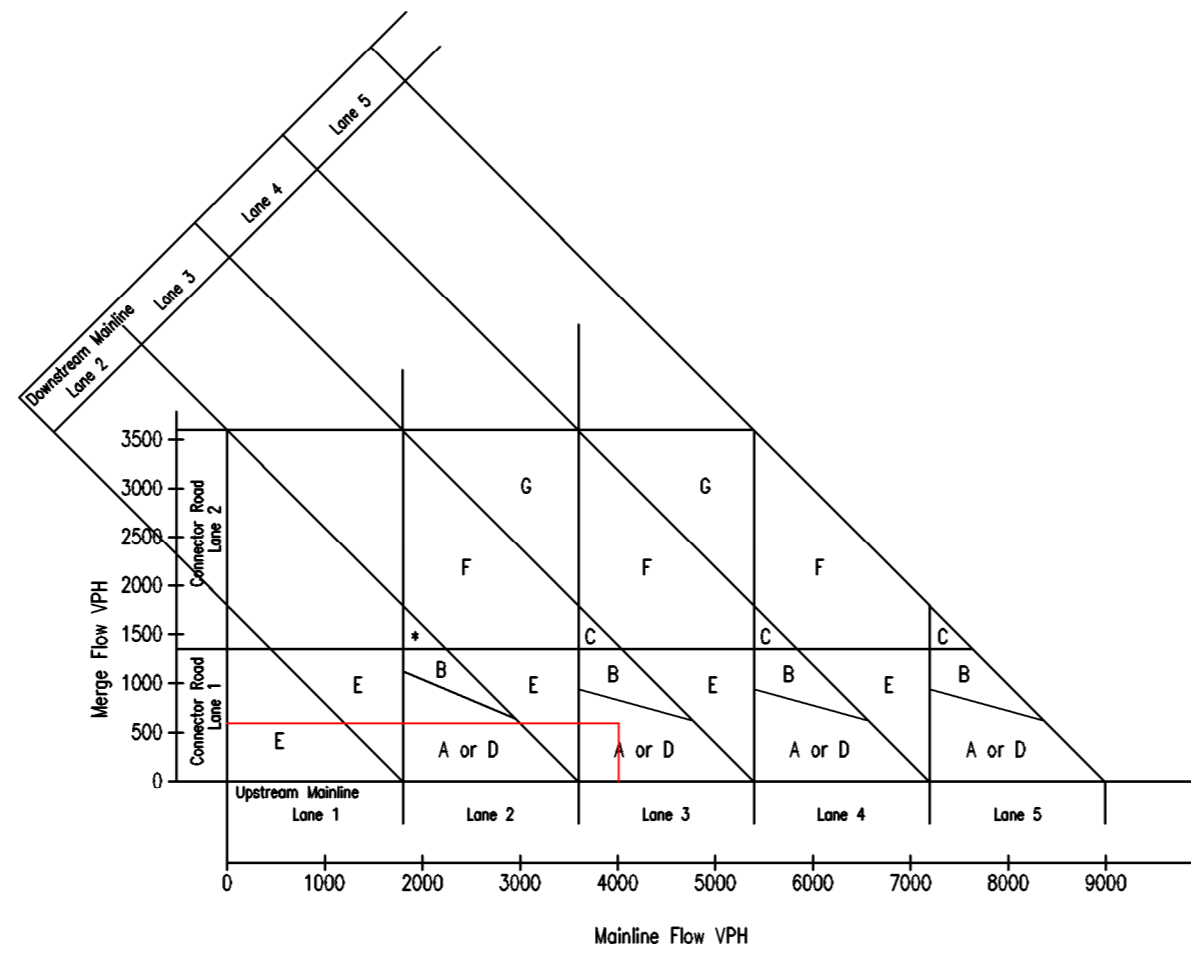
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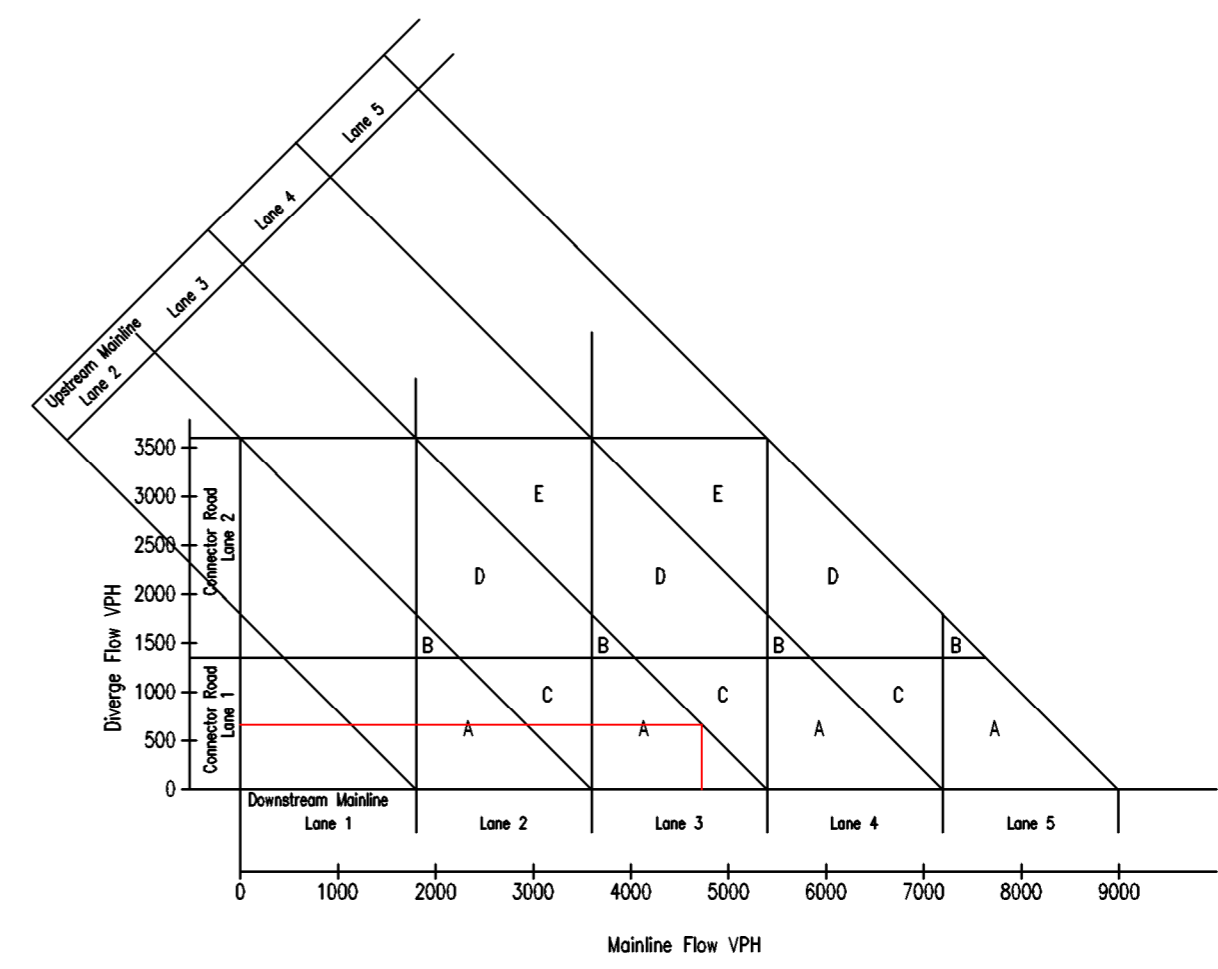
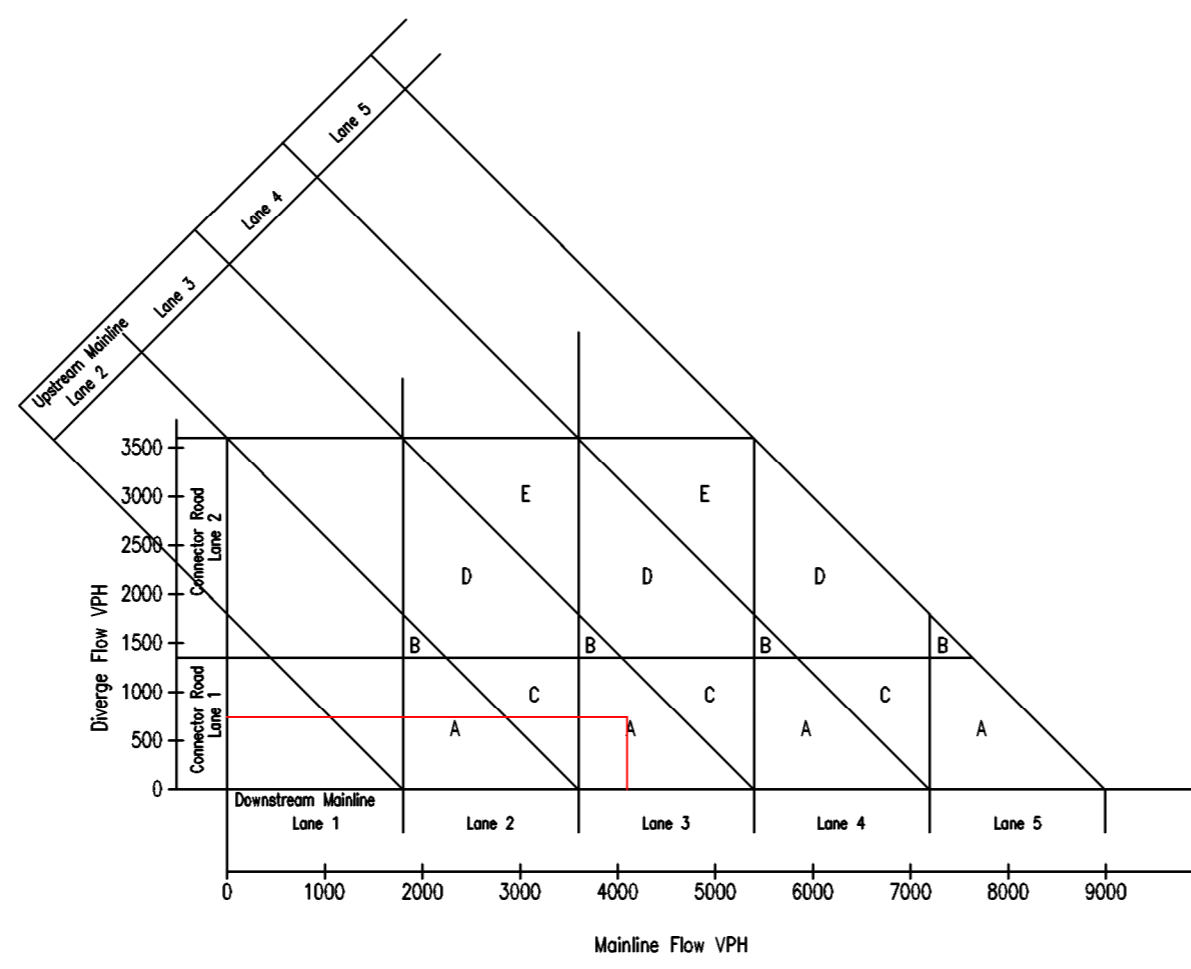
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AM Peak

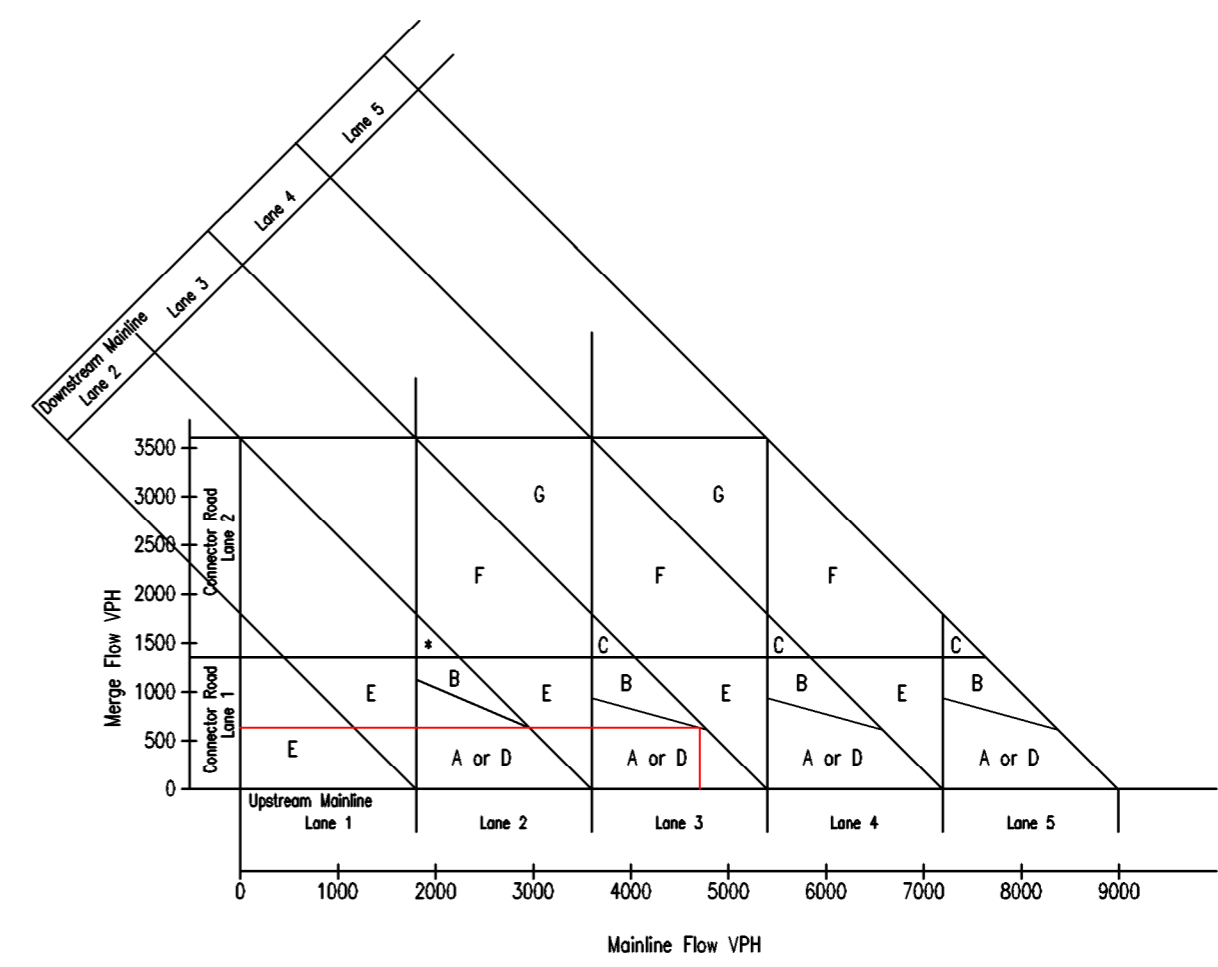
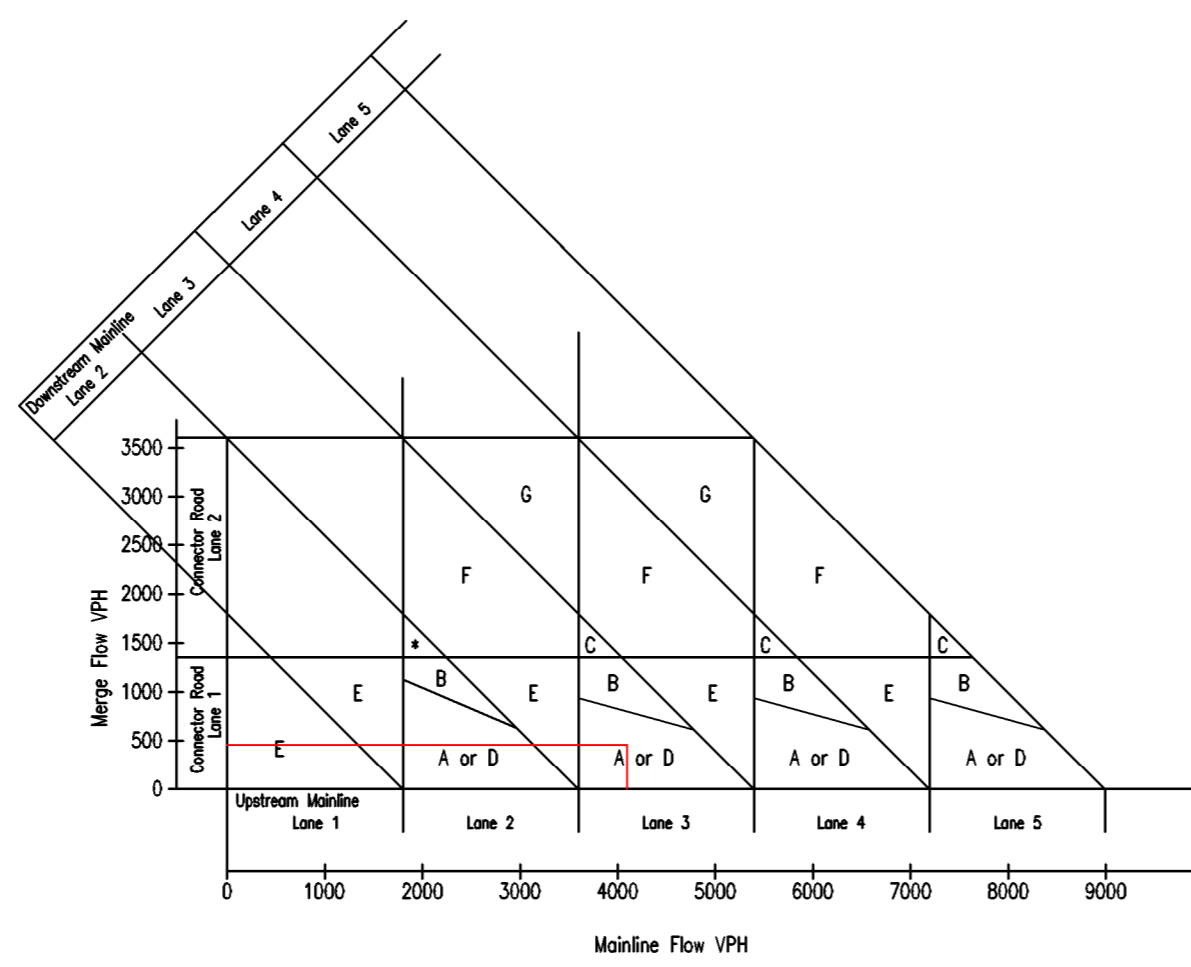
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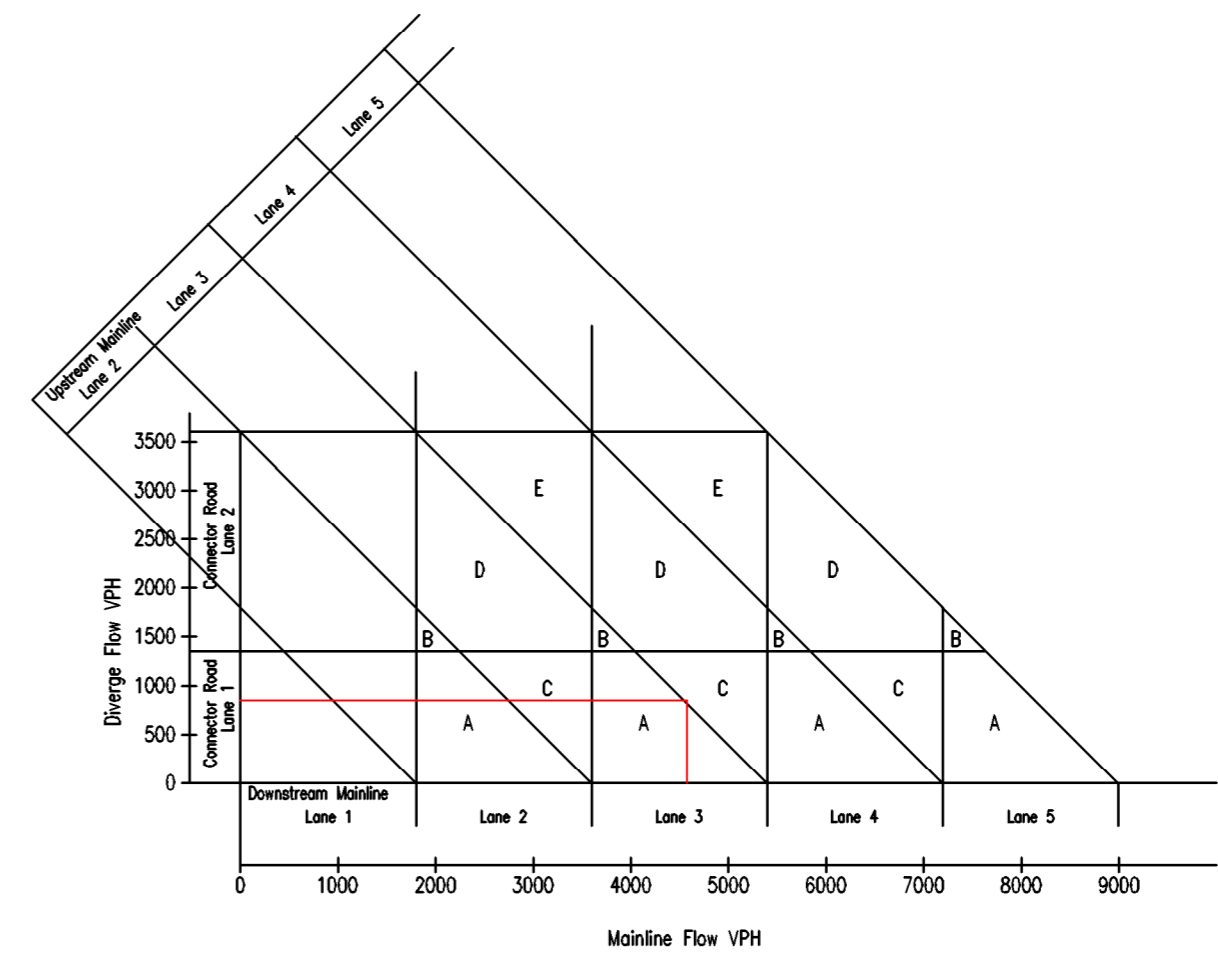
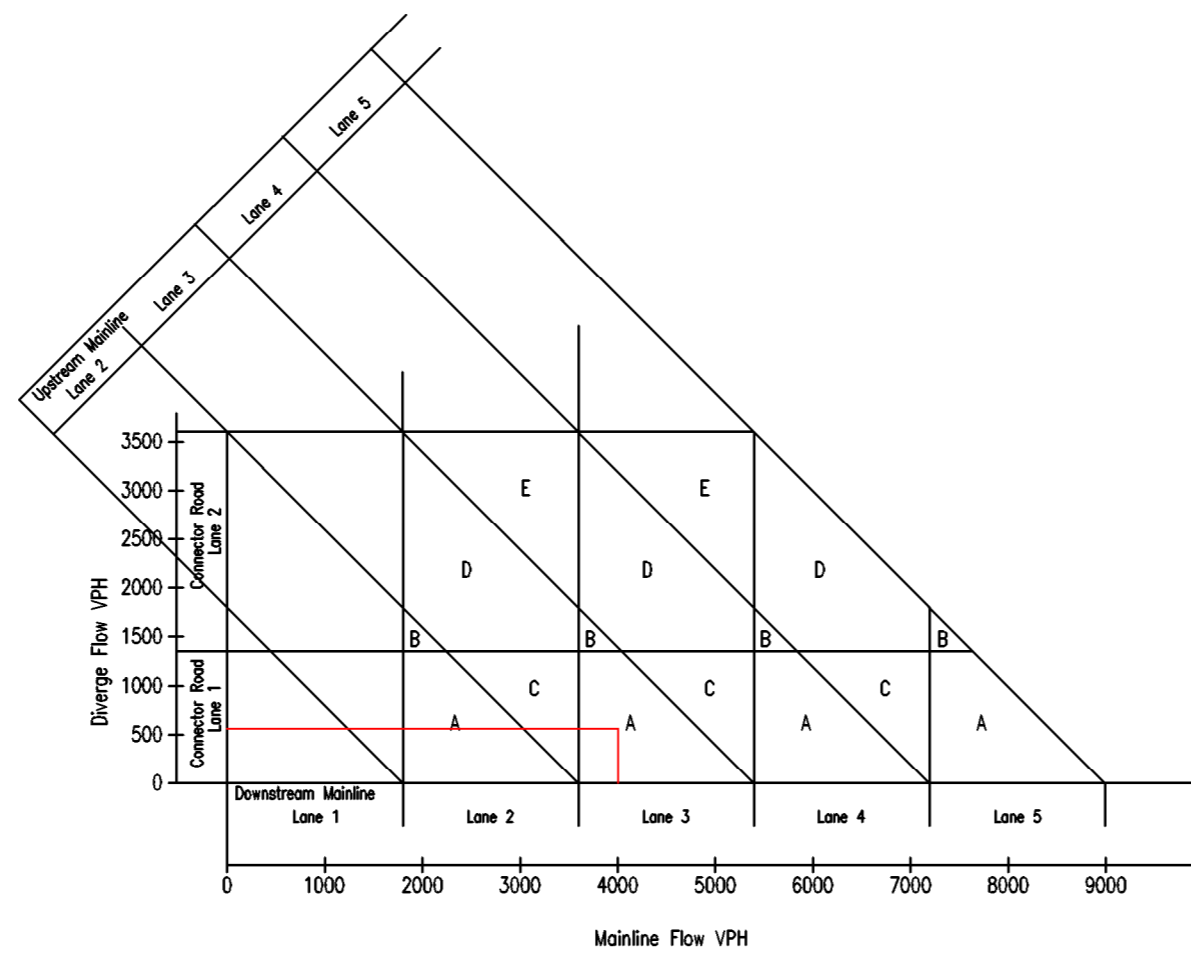
SB Diverge



SB Merge



NB Diverge



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wsp

Mountbatten House
Basingstoke
RG21 4HJ, UK

T + 44 (0) 1256 318 800
F + 44 (0) 1256 318 700
wsp.com

CLIENT: WEST MIDLANDS INTERCHANGE

ARCHITECT:

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