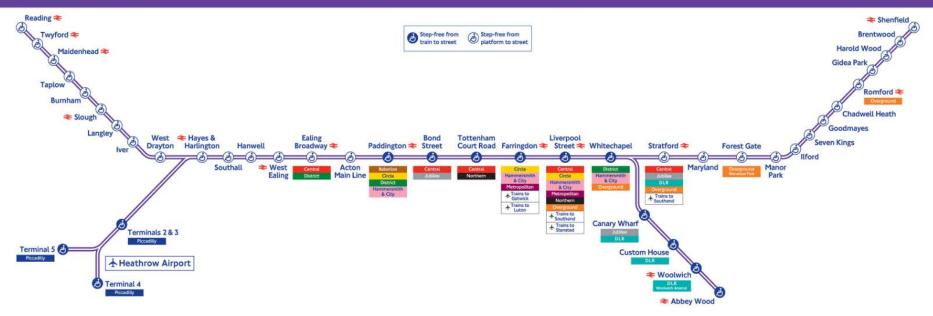
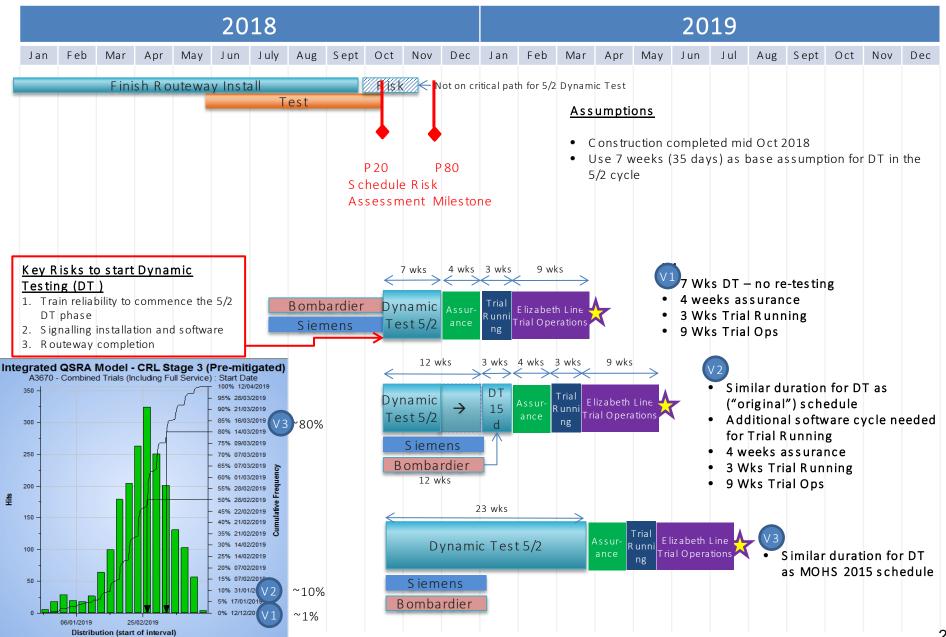
Elizabeth line readiness

- Stage 1: Operational service 22 June 2017: First new Class 345 train in passenger service between Liverpool Street and Shenfield Completed
- Stage 2: 20 May 2018 New class 345 rolling stock introduced on TfL Rail services Paddington Heathrow
- Stage 3: 9 December 2018: Elizabeth line opens. Services run Liverpool Street Shenfield; Paddington Heathrow; Paddington Abbey Wood
- Stage 4: May 2019: Shenfield service extends to Paddington. Customers can travel directly from Shenfield all the way through central London
- Stage 5: December 2019: Elizabeth line fully open. Services run from Reading and Heathrow in the west to Shenfield and Abbey Wood in the east



Elizabeth line

Dynamic Testing Critical Path for Stage 5



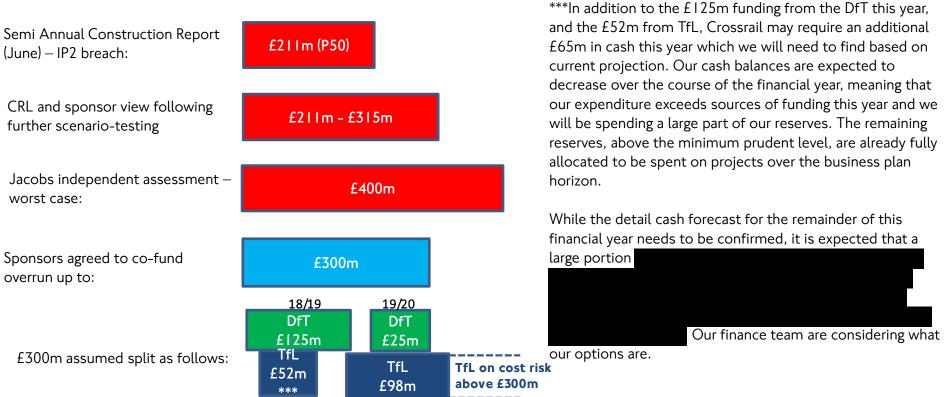
Impact on Stages 4 & 5

	Assumed Stage 3 date	Considerations	Stage 4	Stage 5	Risk	Notes
1	Dec 2018 / January 2019	 Proximity to Stage 3 opening date could compromise May 2019 – operational "learning curve" Potential complications with Transitions / Train reliability 	May/ June 2019	Dec 2019		Dependent on reliability of transitions performance
2***	JUNE 2019	 Overlapping Stage 3 Operational trials and with Stage 4 preparations 	SEPT 2019	DEC 2019		Aim for Sept for Stage 4 in order to protect Stage 5 service and revenue in Dec
3	Beyond July 2019	• Can't open Stage 4 before Stage 3	Dec 2019	June 2020		Delays Stage 5 revenue by 5 months
3a	Beyond July 2019	• Can't open Stage 4 before Stage 3	Dec 2019	Dec 2019		Higher risk if Stage 4 and 5 are co-incident

***Currently assumed sequence for stage 3/4/5 opening – to be confirmed by CRL

Cost forecast – central section

Central section overrun above IP2



Heads of Terms covering these additional funding arrangements have been agreed between DfT and HMT officials (although the funding agreement itself is yet to be signed). The figures above exclude any costs for NR arising from On-Network Works for which DfT continues to be "on risk".

Clearly, these draft funding arrangements were based on an understanding of risk exposure as described in (ii) above. Since then, the position in respect of schedule risk has clearly deteriorated significantly. The implications of this schedule slippage in terms of likely outturn cost is not yet understood. CRL have been asked to re-visit this as a matter or urgency.

Revenue Impact

£m	Delay	Delay Date	2018/19	2019/20	2020/21	2021/22	2022/23	Total 18/19 to 22/23
Fares income per Budget/Busi	ness Plan		146	431	817	862	913	3,169
Scenario One								
Stage 3	6 months	June 2019						
Stage 4	3 months	Sept 2019						
Stage 5	None	Dec 2019						
Revenue loss			(45)	(70)	_	_	_	(115)
less: TfL abstraction retention			23	26	-	-	-	48
Net risk		-	(23)	(44)	-	-	-	(66)
Scenario Two								
Stage 3	6 months	June 2019						
Stage 4	6 months	Dec 2019						
Stage 5	6 months	June 2020						
Revenue loss			(45)	(247)	(118)	-	-	(410)
less: TfL abstraction retention			23	66	24	-	-	112
Net risk			(23)	(181)	(94)	-	-	(298)

Additional NR costs – Western stations

Network Rail have recently received revised tenders for the Western	Stations (Acton Mainline, Ealing Broadway, West Ealing,					
Southall, Hayes & Harlington and West Drayton). They have yet to conclude the evaluation process						
	Under the Heads of Terms is to b	be				

provided by DfT.