Accident Benefit Summary

Element	Optimised Package		
Economic Summary (£000s)			
without-Scheme Accident Costs	23,817,888		
with-Scheme Accident Costs	23,698,032		
Accident Benefits	**119,856**		
Accident Summary			
without-Scheme Accidents	677,046		
with-Scheme Accidents	674,048		
Accidents saved	**2,999**		
Casualty Summary	Fatal	Serious	Slight
without-Scheme Casualties	7,363	83,540	847,584
with-Scheme Casualties	7,341	82,977	844,342
Casualties saved	**22**	**563**	**3,242**

Purpose	Eastbound	Westbound	Total
NTEM Core			
Business	21604	19877	41481
Commute	2185	2168	4353
Other	9866	8682	18548
Freight	6352	6000	12352
Total	40007	36727	76734
Low Growth			
Business	21955	18822	40777
Commute	1677	1557	3234
Other	9034	7571	16605
Freight	8870	7338	16208
Total	41536	35288	76824
Transformational Growth			
Business	21976	19070	41046
Commute	2298	2612	4910
Other	9947	8617	18564
Freight	7772	6854	14626
Total	41993	37153	79146

Purpose	Eastbound		Westbound		Total	
	Volume	Proportion	Volume	Proportion	Volume	Proportion
NTEM Core						
Car - Business	23,000	54%	19,900	54%	42,900	54%
car - Commute	2,300	5%	2,200	6%	4,500	6%
Car - Other	10,500	25%	8,700	24%	19,200	24%
Freight	6,800	16%	6,000	16%	12,800	16%
Total	**42,600**	**100%**	**36,700**	**100%**	**79,300**	**100%**
Low Growth						
Car - Business	21,900	51%	18,800	51%	40,700	51%
car - Commute	1,700	4%	1,600	4%	3,300	4%
Car - Other	9,000	21%	7,600	21%	16,600	21%
Freight	8,800	21%	7,300	20%	16,100	20%
Total	**41,400**	**97%**	**35,300**	**96%**	**76,700**	**97%**
Transformational Growth						
Car - Business	22,000	52%	19,100	52%	41,100	52%
Car - Commute	2,300	5%	2,600	7%	4,900	6%
Car - Other	9,900	23%	8,600	23%	18,500	23%
Freight	7,800	18%	6,900	19%	14,700	19%
Total	**42,000**	**99%**	**37,200**	**101%**	**79,200**	**100%**

Direction	TOL_2031	TOL_2041	OPT_2041	Diff
Eastbound	18,729	22,883	42,571	-19,688
Westbound	13,869	17,388	36,718	-19,330
Tota	**32,598**	**40,271**	**79,289**	**-39,018**

TUBA Benefit Summary - VDM

Package	TPTS only			Core Scenario			Low Growth			Transformational			Package 1			Package 2			Package 3		
	VDM	with UDF	%Diff	VDM	with UDF	%Diff	VDM	with UDF	%Diff	VDM	with UDF	%Diff	VDM	with UDF	%Diff	VDM	with UDF	%Diff	VDM	with UDF	%Diff
Consumer User (Commute)		218,666			563,836			505,887			648,768			243,418			402,450			442,181	
Consumer User (Other)		348,259			709,463			525,355			774,426			478,495			505,726			586,374	
Business User and Provider		1,649,827			3,159,913			3,289,299			3,227,477			610,156			763,280			1,513,712	
Private sector provider (Toll revenues)		-3,306			-3,376			-3,408			-2,887			-561			-2,550			-3,028	
Indirect Tax Revenue		187,105			138,049			95,911			100,631			-121,237			-92,313			-42,297	
Greenhouse Gas		-98,816			-255,444			-59,917			-59,088			43,401			20,860			-67,590	
Total	**0**	**2,301,735**		**0**	**4,312,441**			**4,353,128**			**4,689,326**			**1,253,672**			**1,597,452**			**2,429,352**	

WITA Level 2 Benefits

Package	TPTS only		Optimised Package		Low Growth		Transformational		with Toll		Difference		Package 1		Package 2		Package 3	
	WITA	Adjusted	WITA	Adjusted	WITA	Adjusted	WITA	Adjusted	WITA	Adjusted	WITA	Adjusted	WITA	Adjusted	WITA	Adjusted	WITA	Adjusted
Agglomeration impacts		0	3,056,389	2,445,111	3,506,268	2,805,014	3,018,181	2,414,544	1,944,222	1,555,378	-36%	-36%	689,045	551,236	993,453	794,762	1,260,754	1,008,603
Change in imperfectly competitive mark		0	220,752	220,752	216,100	216,100	221,700	221,700	200,524	200,524	-9%	-9%	42,256	42,256	50,810	50,810	97,483	97,483
Labour supply impacts		0	18,315	18,315	24,472	24,472	20,213	20,213	14,452	14,452	-21%	-21%	6,019	6,019	10,258	10,258	11,677	11,677
Move to more/less productive jobs		0	0	0	0	0	0	0	0	0	0%	0%		0	0	0	0	0
Total	**0**	**0**	**3,295,456**	**2,684,178**	**3,746,840**	**3,045,587**	**3,260,094**	**2,656,458**	**2,159,198**	**1,770,354**	**-34%**	**-34%**	**737,320**	**599,511**	**1,054,521**	**855,830**	**1,369,914**	**1,117,763**

Reliability Impacts

Package	TPTS only		Optimised Package		Low Growth		Transformational		Package 1		Package 2		Package 3	
TUBA Time Saving benefits		1,103,584	0	4,412,126	0	4,238,049	0	4,571,176		1,103,584		1,486,509		2,367,912
Reliability Benefits (10	**0**	**110,358**	**0**	**441,213**	**0**	**423,805**	**0**	**457,118**		**110,358**		**148,651**		**236,791**

With UDF

Purpose	Low Growth				NTEM Core				TfN Transformational				Package 1				Package 2				Package 3			
													2034				**2037**				**2041**			
	Time	Charges	VOC	Total	Time	Charges	VOC	Total	Time	Charges	VOC	Total	Time	Charges	VOC	Total	Time	Charges	VOC	Total	Time	Charges	VOC	Total
Commuting	522,652	-53	-16,711	505,887	594,732	-106	-30,790	563,836	658,801	-72	-9,961	648,768	174,321	-245	69,342	243,418	351,154	3	51,292	402,450	409,612	-84	32,653	442,181
Other	719,545	-199	-193,992	525,355	927,480	-245	-217,771	709,463	951,766	-242	-177,098	774,426	358,858	-109	119,745	478,495	421,798	27	83,901	505,726	561,222	-198	25,351	586,374
Business (Car)	2,069,571	352	91,079	2,161,002	2,115,604	465	91,455	2,207,524	2,129,071	755	87,177	2,217,003	405,197	292	17,066	422,556	491,462	412	16,228	508,102	942,658	279	31,893	974,830
Business (Freight)	926,281	4,089	197,927	1,128,297	774,311	1,751	176,328	952,390	831,538	1,997	176,939	1,010,474	165,208	-376	22,768	187,600	222,094	1,030	32,053	255,177	454,420	2,146	82,315	538,882
Operators				-3,408				-3,376				-2,887				-561				-2,550				-3,028
Greenhouse Gas				-59,917				-255,444				-59,088				43,401				20,860				-67,590
Indirect Tax				95,911				138,049				100,631				-121,237				-92,313				-42,297
Total	**4,238,049**	**4,189**	**78,303**	**4,353,128**	**4,412,126**	**1,865**	**19,221**	**4,312,441**	**4,571,176**	**2,437**	**77,057**	**4,689,326**	**1,103,584**	**-438**	**228,921**	**1,253,672**	**1,486,509**	**1,472**	**183,474**	**1,597,452**	**2,367,912**	**2,143**	**172,212**	**2,429,352**

Purpose	**Opening Year 2033**								**Opening Year 2041**											
	Optimised Package without Toll				Optimised Package with Toll				Optimised Package without Toll				Optimised Package with Toll				Optimised vs. Toll			
	Time	Charges	VOC	Total	Time	Charges	VOC	Total	Time	Charges	VOC	Total	Time	Charges	VOC	Total	Time	Charges	VOC	Total
Commuting	641,950	-149	-32,996	608,806	584,034	-20,866	43,367	606,535	594,732	-106	-30,790	563,836	539,672	-16,957	34,511	557,226	-55,060	-16,850	65,301	-6,610
Other	995,696	-349	-239,659	755,689	742,584	-13,492	38,019	767,111	927,480	-245	-217,771	709,463	686,179	-10,964	30,255	705,470	-241,301	-10,719	248,026	-3,993

Business (Car)	2,270,285	672	80,511	2,351,467	2,443,713	-402,309	93,084	2,134,489	2,115,604	465	91,455	2,207,524	2,258,095	-326,928	74,074	2,005,241	142,491	-327,393	-17,381	-202,283
Business (Freight)	831,223	2,516	88,066	921,804	795,514	-234,716	170,302	731,099	774,311	1,751	176,328	952,390	735,088	-190,737	135,522	679,873	-39,222	-192,488	-40,806	-272,516
Operators				-4,437				724,127				-3,376				588,720				
Greenhouse Gas				-195,078				28,571				-255,444				22,708				278,152
Indirect Tax				372,293				-45,232				138,049				-39,634				-177,684
Total	**4,739,154**	**2,690**	**-104,078**	**4,810,544**	**4,565,844**	**-671,383**	**344,772**	**4,946,699**	**4,412,126**	**1,865**	**19,221**	**4,312,441**	**4,219,034**	**-545,586**	**274,362**	**4,519,603**	**-193,092**	**-547,451**	**255,141**	**-384,934**
														-1,493,227						

Method	Optimised Package			Toll Sensitivity 1			Toll Sensitivity 2		
	TUBA	Inflation	GDP	TUBA	Inflation	GDP	TUBA	Inflation	GDP
PVC									
CAPEX	225,747	225,747	225,747	225,747	225,747	225,747	225,747	225,747	225,747
OPEX	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!
Toll revenues	0	0	0	-588,720	-2,080,591	-2,226,964	-426,477	-1,503,058	-1,608,800
Total PVC	**#REF!**	**#REF!**	**#REF!**	**#REF!**	**#REF!**	**#REF!**	**#REF!**	**#REF!**	**#REF!**
Level 1 PVB									
Time savings	4,412,126	4,412,126	4,412,126	4,219,034	4,219,034	4,219,034	4,446,844	4,446,844	4,446,844
VOC	19,221	19,221	19,221	274,362	274,362	274,362	250,426	250,426	250,426
User charges	1,865	1,865	1,865	-545,586	-1,928,153	-2,063,802	-385,323	-1,358,016	-1,453,555
Greenhouse gas	-255,444	-255,444	-255,444	22,708	22,708	22,708	5,475	5,475	5,475
Indirect tax	138,049	138,049	138,049	-39,634	-39,634	-39,634	-9,701	-9,701	-9,701
Total PVB	**4,315,817**	**4,315,817**	**4,315,817**	**3,930,884**	**2,548,317**	**2,412,668**	**4,307,721**	**3,335,028**	**3,239,489**
Level 1 BCR	**#REF!**	**#REF!**	**#REF!**	**#REF!**	**#REF!**	**#REF!**	**#REF!**	**#REF!**	**#REF!**
Level 2 PVB									
Reliability	441,213	441,213	441,213	421,903	421,903	421,903	444,684	444,684	444,684
WITA	2,684,178	2,684,178	2,684,178	1,770,354	1,770,354	1,770,354	2,182,202	2,182,202	2,182,202
Total PVB	**7,441,208**	**7,441,208**	**7,441,208**	**6,123,141**	**4,740,574**	**4,604,925**	**6,934,607**	**5,961,914**	**5,866,375**
Level 2 BCR	**#REF!**	**#REF!**	**#REF!**	**#REF!**	**#REF!**	**#REF!**	**#REF!**	**#REF!**	**#REF!**

PVC	-592,096
Charges	-547,451
Time	-193,092
Reliability	
VOC	255,141
GHG	278,152
Ind. Tax	-177,684
Wider	0
PVB	-384,934
NPV	207,162

CAPEX Summary - from EO Most Likely Costs (£000s) (Factor prices only)

	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	2			
Optimised pacakge	**M67, M60 to A57**	**M60 J24 to 25**	**M18 J1a to 2**	**M1 J35a to 36**	**A6 to M60**	**M1 to M18**	**A628 + Tunnel**	**A616 dualling to M1**	**Denton Bypass**	**A628 Mottram**	**M60 J24 to 25 (2037)**	**Hollingworth to Tintwistle Bypass**	**Total**
Preparation	2,416	1,972	1,857	1,419	17,078	32,271	174,187	21,382	15,532	27,918	1,972	21,460	**319,465**
Supervision	549	986	1,111	774	1,948	3,606	20,180	1,900	2,127	4,880	986	3,313	**42,359**
Construction	20,523	12,393	19,757	10,437	189,819	357,714	1,303,957	149,638	136,232	114,604	12,393	114,248	**2,441,717**
Land	23	0	44	16	35,856	36,135	5,288	23,576	6,489	1,307	0	25,840	**134,573**
Total CAPEX	**23,512**	**15,351**	**22,769**	**12,646**	**244,701**	**429,726**	**1,503,612**	**196,496**	**160,380**	**148,710**	**15,351**	**164,862**	**2,938,114**

Converted to PVC - CAPEX (£000s)

Scheme	**M67, M60 to A57**	**M60 J24 to 25**	**M18 J1a to 2**	**M1 J35a to 36**	**A6 to M60**	**M1 to M18**	**A628 + Tunnel**	**A616 dualling to M1**	**Denton Bypass**	**A628 Mottram**	**M60 J24 to 25 (2037)**	**Hollingworth to Tintwistle Bypass**	**Total**
Preparation	1,770	872	868	885	9,713	18,273	94,271	14,387	7,687	14,582	996	15,652	**179,955**
Supervision	365	416	488	457	979	1,666	8,971	1,087	929	2,137	478	2,143	**20,117**
Construction	13,717	5,233	8,662	6,179	95,911	167,846	587,022	86,835	60,240	51,259	6,005	74,613	**1,163,523**
Land	14	0	18	9	17,922	17,236	2,450	13,646	2,831	590	0	17,288	**72,005**
Total CAPEX PVC (converted to market prices and values)													
TPTS Only	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	0	0	0	**#REF!**
Optimised Pacakge	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	68,569	0	0	**#REF!**
All Schemes	15,866	6,522	10,036	7,531	124,525	205,021	692,714	115,955	71,687	68,569	7,479	109,695	**1,435,600**

OPEX (£000s)

Scheme	**M67, M60 to A57**	**M60 J24 to 25**	**M60 J1a to 2**	**M1 J35a to 36**	**A6 to M60**	**M1 to M18**	**A628 + Tunnel**	**A616 dualling to M1**	**Denton Bypass**	**A628 Mottram**	**M60 J24 to 25 (2037)**	**Hollingworth to Tintwistle Bypass**	**Total**
OPEX 2010 Cost	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	**#REF!**
Single Year cost 2010	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	**#REF!**
Discounted to 2010	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	**#REF!**
Total OPEX PVC (converted to market prices and values)													
TPTS Only	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	0	0	0	**#REF!**
Optimised Pacakge	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	0	0	**#REF!**
All Schemes	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	**#REF!**

Appraisal Summary	**TPTS Only**	**Optimised Package**	**Low Growth**	**Trans-formational**
Present Value of Cost (£m)				
CAPEX P2.5	0.00	68.57	68.57	68.57
OPEX	0.00	#REF!	#REF!	#REF!
Total PVC P2.5	**0.00**	**#REF!**	**#REF!**	**#REF!**
Level 1 PVB (£m)				
User Benefits	2,213.45	4,429.84	4,317.13	4,647.78
Indirect Tax Revenue	187.11	138.05	95.91	100.63

Greenhouse Gas	-98.82	-255.44	-59.92	-59.09	
Accident	0.00	119.86	119.86	119.86	*use values from NTEM Core
Construction	-28.18	-27.34	-27.34	-27.34	*use values from NTEM Core
Total	**2,273.55**	**4,404.96**	**4,445.64**	**4,781.84**	
Initial BCR	**#DIV/0!**	**#REF!**	**#REF!**	**#REF!**	
Level 2 PVB (£m)					
Reliability	110.36	441.21	423.80	457.12	
Wider Impacts - Static Clusteri	0.00	2,684.18	2,684.18	3,045.59	*Low Growth uses NTEM Core
Total	**2,383.91**	**7,530.35**	**7,553.63**	**8,284.55**	
Adjusted BCR	**#DIV/0!**	**#REF!**	**#REF!**	**#REF!**	

Costs obtained from EO - Most Likely Cost

A6 to M60

Expenditure Profile	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030	2031	2032	2033	2034	2035	2036	2037	2038	2039	2040	2041	2042	2043	2044	2045	2046	2047	2048	2049	2050	Total
Preparation	13,618	26,955	0	0	0	0	0	0	0	6,240	2,471,357	1,637,035	4,052,167	4,065,103	2,740,759	2,064,463	0	0	0	0	0	0	0	0									**17,077,697**
Supervision	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	167,403	1,494,007	286,367	0	0	0	0	0	0									**1,947,776**
Construction	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	25,950,691	157,111,863	6,436,028	77,490	77,156	76,824	76,702	12,107	0									**189,818,860**
Land	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	10,639,341	13,915,352	5,701,067	3,641,684	1,802,832	60,442	51,964	29,192	14,331									**35,856,206**
Total CAPEX	**13,618**	**26,955**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**6,240**	**2,471,357**	**1,637,035**	**4,052,167**	**4,065,103**	**2,740,759**	**38,821,897**	**172,521,222**	**12,423,461**	**3,719,174**	**1,879,988**	**137,265**	**128,666**	**41,299**	**14,331**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**244,700,538**
	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	1%	1%	2%	2%	1%	16%	71%	5%	2%	1%	0%	0%											

Convert to PVC (£000s)

2019	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030	2031	2032	2033	2034	2035	2036	2037	2038	2039	2040	2041	2042	2043	2044	2045	2046	2047	2048	2049	2050	Total
11,891	22,740	0	0	0	0	0	0	0	3,998	1,529,733	979,034	2,341,461	2,269,503	1,478,393	1,075,934	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	**9,712,687**
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	87,245	752,300	139,322	0	0	0	0	0	0	0	0	0	0	0	0	0	0	**978,867**
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	13,524,695	79,112,880	3,131,236	36,425	35,042	33,711	32,520	4,959	0	0	0	0	0	0	0	0	0	**95,911,468**
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	5,544,895	7,007,005	2,773,665	1,711,827	818,790	26,522	22,031	11,958	5,672	0	0	0	0	0	0	0	0	**17,922,365**
11,891	**22,740**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**3,998**	**1,529,733**	**979,034**	**2,341,461**	**2,269,503**	**1,478,393**	**20,232,769**	**86,872,184**	**6,044,223**	**1,748,252**	**853,832**	**60,233**	**54,551**	**16,917**	**5,672**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**124,525,386**

M67, M60 to A57

Expenditure Profile	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030	2031	2032	2033	2034	2035	2036	2037	2038	2039	2040	2041	2042	2043	2044	2045	2046	2047	2048	2049	2050	Total
Preparation	13,688	26,978	4,709	354,409	440,298	524,344	438,033	613,655	0	0	0	0	0	0	0	0	0	0															**2,416,114**
Supervision	0	0	0	0	0	0	0	85,419	405,153	57,500	1,402	0	0	0	0	0	0	0															**549,474**
Construction	0	0	0	0	0	0	0	5,076,576	15,146,774	258,578	10,207	10,151	10,101	10,083	747	0	0	0															**20,523,216**
Land	0	0	0	0	0	0	0	0	0	5,496	8,507	4,268	1,831	1,228	768	618	0	0															**22,716**
Total CAPEX	**13,688**	**26,978**	**4,709**	**354,409**	**440,298**	**524,344**	**438,033**	**5,775,650**	**15,551,927**	**321,575**	**20,115**	**14,418**	**11,932**	**11,311**	**1,515**	**618**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**23,511,520**
	0%	0%	0%	2%	2%	2%	2%	25%	66%	1%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%											

Convert to PVC (£000s)

2019	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030	2031	2032	2033	2034	2035	2036	2037	2038	2039	2040	2041	2042	2043	2044	2045	2046	2047	2048	2049	2050	Total
11,952	22,759	3,838	279,105	335,019	385,477	311,135	421,139	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	**1,770,423**
0	0	0	0	0	0	0	58,621	268,646	36,838	868	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	**364,973**
0	0	0	0	0	0	0	3,483,952	10,043,410	165,658	6,318	6,071	5,837	5,629	403	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	**13,717,277**
0	0	0	0	0	0	0	0	0	3,521	5,266	2,552	1,058	686	414	322	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	**13,819**
11,952	**22,759**	**3,838**	**279,105**	**335,019**	**385,477**	**311,135**	**3,963,713**	**10,312,055**	**206,017**	**12,451**	**8,623**	**6,895**	**6,315**	**817**	**322**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**15,866,491**

A616 dualling to M1

Expenditure Profile	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030	2031	2032	2033	2034	2035	2036	2037	2038	2039	2040	2041	2042	2043	2044	2045	2046	2047	2048	2049	2050	Total
Preparation	13,702	27,006	0	59,537	2,072,060	1,886,084	2,120,527	3,708,371	3,744,555	2,329,840	3,493,421	1,927,375	0	0	0	0	0	0	0	0	0												**21,382,476**
Supervision	0	0	0	0	0	0	0	0	0	0	0	265,959	1,000,112	461,114	172,342	0	0	0	0	0	0												**1,899,527**
Construction	0	0	0	0	0	0	0	0	0	0	0	35,673,766	96,970,734	16,598,515	90,103	89,720	89,334	89,192	36,269	0	0												**149,637,634**
Land	0	0	0	0	0	0	0	0	0	0	0	10,588,410	6,926,950	3,002,162	2,374,546	618,071	23,365	22,958	11,280	8,310	0												**23,576,051**
Total CAPEX	**13,702**	**27,006**	**0**	**59,537**	**2,072,060**	**1,886,084**	**2,120,527**	**3,708,371**	**3,744,555**	**2,329,840**	**3,493,421**	**48,455,510**	**104,897,796**	**20,061,791**	**2,636,990**	**707,791**	**112,699**	**112,151**	**47,549**	**8,310**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**196,495,688**
	0%	0%	0%	0%	1%	1%	1%	2%	2%	1%	2%	25%	53%	10%	1%	0%	0%	0%	0%	0%	0%	0%											

Convert to PVC (£000s)

2019	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030	2031	2032	2033	2034	2035	2036	2037	2038	2039	2040	2041	2042	2043	2044	2045	2046	2047	2048	2049	2050	Total
11,964	22,782	0	46,886	1,576,611	1,386,574	1,506,210	2,544,981	2,482,911	1,492,611	2,162,376	1,152,673	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	**14,386,580**
0	0	0	0	0	0	0	0	0	0	0	159,058	577,894	257,435	92,963	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	**1,087,350**
0	0	0	0	0	0	0	0	0	0	0	21,334,817	56,032,539	9,266,773	48,602	46,759	44,984	43,394	17,049	0	0	0	0	0	0	0	0	0	0	0	0	0	**86,834,916**
0	0	0	0	0	0	0	0	0	0	0	6,332,434	4,002,595	1,676,075	1,280,853	322,119	11,766	11,170	5,302	3,774	0	0	0	0	0	0	0	0	0	0	0	0	**13,646,088**
11,964	**22,782**	**0**	**46,886**	**1,576,611**	**1,386,574**	**1,506,210**	**2,544,981**	**2,482,911**	**1,492,611**	**2,162,376**	**28,978,983**	**60,613,028**	**11,200,282**	**1,422,419**	**368,879**	**56,749**	**54,563**	**22,351**	**3,774**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**115,954,935**

A628 + Tunnel

Expenditure Profile	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030	2031	2032	2033	2034	2035	2036	2037	2038	2039	2040	2041	2042	2043	2044	2045	2046	2047	2048	2049	2050	Total
Preparation	15,367	25,313	0	0	0	0	0	0	0	9,782,567	6,775,872	8,374,752	23,654,332	33,714,569	15,850,513	15,069,566	13,556,734	47,367,571	0	0	0	0	0	0	0	0	0						**174,187,156**
Supervision	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	81,921	2,971,831	7,008,106	6,458,098	1,296,040	2,363,955	0	0	0	0						**20,179,952**
Construction	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	11,728,253	260,548,039	490,834,859	447,496,708	92,757,603	125,596	125,056	124,517	124,320	92,128						**1,303,957,081**
Land	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	805,864	2,649,361	920,899	522,937	388,774	0	0	0	0	0						**5,287,834**
Total CAPEX	**15,367**	**25,313**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**9,782,567**	**6,775,872**	**8,374,752**	**23,654,332**	**33,714,569**	**15,850,513**	**15,069,566**	**13,556,734**	**59,983,609**	**266,169,231**	**498,763,864**	**454,477,744**	**94,442,416**	**2,489,552**	**125,056**	**124,517**	**124,320**	**92,128**	**0**	**0**	**0**	**0**	**0**	**1,503,612,023**
	0%	0%	0%	0%	0%	0%	0%	0%	0%	1%	0%	1%	2%	2%	1%	1%	1%	4%	18%	33%	30%	6%											

Convert to PVC (£000s)

2019	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030	2031	2032	2033	2034	2035	2036	2037	2038	2039	2040	2041	2042	2043	2044	2045	2046	2047	2048	2049	2050	Total
13,417	21,354	0	0	0	0	0	0	0	6,267,199	4,194,165	5,008,549	13,668,168	18,822,481	8,549,924	7,853,791	6,826,425	23,045,120	0	0	0	0	0	0	0	0	0	0	0	0	0	0	**94,270,593**
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	39,856	1,396,952	3,182,862	2,833,880	549,484	968,357	0	0	0	0	0	0	0	0	0	**8,971,391**
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	5,705,993	122,474,402	222,921,813	196,366,167	39,326,562	51,449	49,495	47,615	45,932	32,887	0	0	0	0	0	**587,022,314**
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	392,066	1,245,371	418,243	229,470	164,829	0	0	0	0	0	0	0	0	0	0	**2,449,979**
13,417	**21,354**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**6,267,199**	**4,194,165**	**5,008,549**	**13,668,168**	**18,822,481**	**8,549,924**	**7,853,791**	**6,826,425**	**29,183,035**	**125,116,725**	**226,522,918**	**199,429,517**	**40,040,875**	**1,019,805**	**49,495**	**47,615**	**45,932**	**32,887**	**0**	**0**	**0**	**0**	**0**	**692,714,278**

Denton Bypass

Expenditure Profile	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030	2031	2032	2033	2034	2035	2036	2037	2038	2039	2040	2041	2042	2043	2044	2045	2046	2047	2048	2049	2050	Total
Preparation	12,052	23,855	0	0	0	0	0	0	0	0	0	0	0	1,189	2,332,737	2,311,714	4,095,158	1,128,251	1,607,994	4,019,150	0	0	0	0	0	0	0						**15,532,100**
Supervision	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	281,557	1,295,448	537,870	11,808	0	0	0	0						**2,126,683**
Construction	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	32,369,638	101,701,621	2,008,776	37,624	37,462	37,301	37,242	2,758						**136,232,421**
Land	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1,978,848	2,597,831	963,299	635,397	313,289	0	0	0						**6,488,664**

Convert to PVC (£000s)

2019	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030	2031	2032	2033	2034	2035	2036	2037	2038	2039	2040	2041	2042	2043	2044	2045	2046	2047	2048	2049	2050	Total
10,523	20,124	0	0	0	0	0	0	0	0	0	0	0	664	1,258,301	1,204,794	2,062,096	548,913	755,861	1,825,372	0	0	0	0	0	0	0	0	0	0	0	0	**7,686,649**
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	127,875	568,456	228,041	4,837	0	0	0	0	0	0	0	0	0	**929,209**
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	14,701,275	44,627,719	851,663	15,412	14,827	14,264	13,760	984	0	0	0	0	0	**60,239,904**
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	898,731	1,139,955	408,411	260,280	123,994	0	0	0	0	0	0	0	0	**2,831,371**

Total CAPEX	12,052	23,855	0	0	0	0	0	0	0	0	0	0	0	1,189	2,332,737	2,311,714	4,095,158	1,128,251	1,607,994	38,649,193	105,594,900	3,509,944	684,829	350,751	37,301	37,242	2,758	0	0	0	0	0	160,379,868
	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	1%	1%	3%	1%	1%	24%	66%	2%											

Total CAPEX	10,523	20,124	0	0	0	0	0	0	0	0	0	0	0	664	1,258,301	1,204,794	2,062,096	548,913	755,861	17,553,252	46,336,130	1,488,116	280,529	138,821	14,264	13,760	984	0	0	0	0	0	71,687,133

M1 J35a to 36

Expenditure Profile	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030	2031	2032	2033	2034	2035	2036	2037	2038	2039	2040	2041	2042	2043	2044	2045	2046	2047	2048	2049	2050	Total
Preparation	13,886	27,367	0	0	0	0	0	0	0	185,398	861,722	330,714	0	0	0	0	0	0	0														1,419,086
Supervision	0	0	0	0	0	0	0	0	0	0	0	509,258	264,548	0	0	0	0	0	0														773,806
Construction	0	0	0	0	0	0	0	0	0	0	0	7,534,797	2,816,763	20,623	20,479	20,392	20,305	3,329	0														10,436,689
Land	0	0	0	0	0	0	0	0	0	0	0	0	7,885	3,950	2,199	884	775	444	222														16,358
Total CAPEX	13,886	27,367	0	0	0	0	0	0	0	185,398	861,722	8,374,769	3,089,195	24,573	22,678	21,276	21,079	3,774	222	0	0	0	0	0	0	0	0	0	0	0	0	0	12,645,938
	0%	0%	0%	0%	0%	0%	0%	0%	0%	1%	7%	66%	24%	0%	0%	0%	0%	0%	0%	0%	0%	0%											

Convert to PVC (£000s)

	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030	2031	2032	2033	2034	2035	2036	2037	2038	2039	2040	2041	2042	2043	2044	2045	2046	2047	2048	2049	2050	Total
Preparation	12,124	23,087	0	0	0	0	0	0	0	118,775	533,393	197,785	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	885,163
Supervision	0	0	0	0	0	0	0	0	0	0	0	304,564	152,863	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	457,427
Construction	0	0	0	0	0	0	0	0	0	0	0	4,506,211	1,627,608	11,514	11,047	10,628	10,224	1,620	0	0	0	0	0	0	0	0	0	0	0	0	0	0	6,178,852
Land	0	0	0	0	0	0	0	0	0	0	0	0	4,556	2,205	1,186	461	390	216	104	0	0	0	0	0	0	0	0	0	0	0	0	0	9,118
Total CAPEX	12,124	23,087	0	0	0	0	0	0	0	118,775	533,393	5,008,559	1,785,028	13,719	12,233	11,089	10,614	1,836	104	0	0	0	0	0	0	0	0	0	0	0	0	0	7,530,560

M1 to M18

Expenditure Profile	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030	2031	2032	2033	2034	2035	2036	2037	2038	2039	2040	2041	2042	2043	2044	2045	2046	2047	2048	2049	2050	Total
Preparation	13,632	26,982	0	0	0	0	0	0	33,914	3,557,640	1,862,845	2,944,052	7,702,376	5,875,971	2,636,058	1,921,137	5,696,684	0	0	0	0	0	0	0	0	0	0						32,271,290
Supervision	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	7,586	681,920	1,258,664	952,720	495,678	209,638	0	0	0	0	0						3,606,205
Construction	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	7,956,656	92,701,758	139,143,859	104,547,293	12,978,988	88,351	87,731	87,354	86,977	34,849	0						357,713,817
Land	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	5,309,136	17,356,369	5,970,001	3,353,401	3,091,176	541,778	266,341	87,273	85,800	42,180	31,087						36,134,542
Total CAPEX	13,632	26,982	0	0	0	0	0	0	33,914	3,557,640	1,862,845	2,944,052	7,702,376	5,875,971	2,636,058	1,921,137	18,970,062	110,740,047	146,372,524	108,853,414	16,565,842	839,768	354,072	174,627	172,777	77,029	31,087	0	0	0	0	0	429,725,855
	0%	0%	0%	0%	0%	0%	0%	0%	0%	1%	0%	1%	2%	1%	1%	0%	4%	26%	34%	25%	4%	0%											

Convert to PVC (£000s)

	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030	2031	2032	2033	2034	2035	2036	2037	2038	2039	2040	2041	2042	2043	2044	2045	2046	2047	2048	2049	2050	Total
Preparation	11,903	22,763	0	0	0	0	0	0	22,487	2,279,201	1,153,073	1,760,700	4,450,659	3,280,492	1,421,916	1,001,237	2,868,536	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	18,272,967
Supervision	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	3,820	331,766	591,653	432,695	217,509	88,881	0	0	0	0	0	0	0	0	0	0	1,666,323
Construction	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	4,006,534	45,100,965	65,406,598	47,482,105	5,695,314	37,458	35,938	34,573	33,260	12,876	0	0	0	0	0	0	167,845,620
Land	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2,673,388	8,444,166	2,806,286	1,523,010	1,356,440	229,698	109,102	34,541	32,810	15,584	11,097	0	0	0	0	0	17,236,122
Total CAPEX	11,903	22,763	0	0	0	0	0	0	22,487	2,279,201	1,153,073	1,760,700	4,450,659	3,280,492	1,421,916	1,001,237	9,552,278	53,876,896	68,804,537	49,437,810	7,269,262	356,037	145,040	69,114	66,070	28,460	11,097	0	0	0	0	0	205,021,033

M18 J1a to 2

Expenditure Profile	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030	2031	2032	2033	2034	2035	2036	2037	2038	2039	2040	2041	2042	2043	2044	2045	2046	2047	2048	2049	2050	Total
Preparation	13,856	27,309	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	721,389	883,227	211,046	0	0	0	0	0	0						1,856,828
Supervision	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1,111,209	0	0	0	0	0	0						1,111,209
Construction	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	19,574,042	39,658	39,380	39,211	39,042	25,862	0						19,757,195
Land	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	10,702	16,565	8,310	3,566	2,392	1,496	899						43,930
Total CAPEX	13,856	27,309	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	721,389	883,227	20,906,999	56,223	47,690	42,776	41,433	27,358	899	0	0	0	0	0	22,769,162
	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	3%	4%	92%	0%											

Convert to PVC (£000s)

	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030	2031	2032	2033	2034	2035	2036	2037	2038	2039	2040	2041	2042	2043	2044	2045	2046	2047	2048	2049	2050	Total
Preparation	12,099	23,038	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	339,100	401,134	92,609	0	0	0	0	0	0	0	0	0	0	0	867,980
Supervision	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	487,610	0	0	0	0	0	0	0	0	0	0	0	487,610
Construction	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	8,589,291	16,814	16,131	15,519	14,929	9,555	0	0	0	0	0	0	8,662,240
Land	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	4,696	7,023	3,404	1,411	915	553	321	0	0	0	0	0	18,323
Total CAPEX	12,099	23,038	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	339,100	401,134	9,174,207	23,837	19,536	16,930	15,844	10,108	321	0	0	0	0	0	10,036,153

M60 J24 to 25

Expenditure Profile	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030	2031	2032	2033	2034	2035	2036	2037	2038	2039	2040	2041	2042	2043	2044	2045	2046	2047	2048	2049	2050	Total
Preparation	13,847	27,290	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	43,661	1,169,059	718,038	0	0	0	0	0	0					1,971,894
Supervision	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	868,184	117,513	0	0	0	0	0					985,697
Construction	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	11,211,651	1,051,175	34,329	34,181	34,127	25,290	2,737					12,393,489
Land	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0					0
Total CAPEX	13,847	27,290	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	43,661	1,169,059	12,797,872	1,168,688	34,329	34,181	34,127	25,290	2,737	0	0	0	0	15,351,079
	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	8%	83%											

Convert to PVC (£000s)

	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030	2031	2032	2033	2034	2035	2036	2037	2038	2039	2040	2041	2042	2043	2044	2045	2046	2047	2048	2049	2050	Total
Preparation	12,090	23,022	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	19,829	512,995	304,427	0	0	0	0	0	0	0	0	0	0	872,364
Supervision	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	368,085	48,137	0	0	0	0	0	0	0	0	0	416,222
Construction	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	4,753,418	430,597	13,587	13,071	12,609	9,028	944	0	0	0	0	5,233,253
Land	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Total CAPEX	12,090	23,022	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	19,829	512,995	5,425,931	478,735	13,587	13,071	12,609	9,028	944	0	0	0	0	6,521,839

A628 Mottram

Expenditure Profile	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030	2031	2032	2033	2034	2035	2036	2037	2038	2039	2040	2041	2042	2043	2044	2045	2046	2047	2048	2049	2050	Total
Preparation	13,657	27,032	0	0	0	0	0	0	0	0	0	0	4,043,269	2,825,634	3,653,817	5,715,817	4,471,503	3,794,623	3,372,752	0	0	0	0	0	0	0	0						27,918,104
Supervision	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	110,626	1,647,090	1,590,914	812,683	719,132	0	0	0	0						4,880,446
Construction	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	11,384,864	48,957,567	45,437,156	8,648,869	38,724	38,557	38,391	38,330	21,696						114,604,154
Land	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	400,692	524,188	193,233	126,671	62,188	0	0	0	0						1,306,972
Total CAPEX	13,657	27,032	0	0	0	0	0	0	0	0	0	0	4,043,269	2,825,634	3,653,817	5,715,817	4,471,503	3,794,623	15,268,933	51,128,845	47,221,303	9,588,223	820,044	38,557	38,391	38,330	21,696	0	0	0	0	0	148,709,675
	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	3%	2%	2%	4%	3%	3%	10%	34%	32%	6%											

Convert to PVC (£000s)

	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030	2031	2032	2033	2034	2035	2036	2037	2038	2039	2040	2041	2042	2043	2044	2045	2046	2047	2048	2049	2050	Total
Preparation	11,925	22,804	0	0	0	0	0	0	0	0	0	0	2,336,319	1,577,521	1,970,905	2,978,907	2,251,603	1,846,148	1,585,411	0	0	0	0	0	0	0	0	0	0	0	0	0	14,581,543
Supervision	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	52,001	748,057	698,110	344,554	294,581	0	0	0	0	0	0	0	0	0	2,137,303
Construction	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	5,351,621	22,234,993	19,938,292	3,666,873	15,863	15,260	14,681	14,162	7,745	0	0	0	0	0	51,259,488
Land	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	188,351	238,070	84,793	53,705	25,474	0	0	0	0	0	0	0	0	0	590,393
Total CAPEX	11,925	22,804	0	0	0	0	0	0	0	0	0	0	2,336,319	1,577,521	1,970,905	2,978,907	2,251,603	1,846,148	7,177,385	23,221,119	20,721,194	4,065,132	335,918	15,260	14,681	14,162	7,745	0	0	0	0	0	68,568,727

Hollingworth to Tintwistle Bypass

Expenditure Profile	2018	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030	2031	2032	2033	2034	2035	2036	2037	2038	2039	2040	2041	2042	2043	2044	2045	2046	2047	2048	2049	Total
Preparation	10,261	20,926	8,942	1,810,013	1,438,717	2,288,290	3,880,921	7,378,191	4,624,062	0	0	0	0	0	0	0	0	0															21,460,324
Supervision	0	0	0	0	0	0	0	0	90,312	1,341,019	1,293,718	538,311	49,464	0	0	0	0	0															3,312,825
Construction	0	0	0	0	0	0	0	0	11,121,189	48,965,432	45,576,342	8,585,496	0	0	0	0	0	0															114,248,458
Land	0	0	0	0	0	1,730,813	2,275,821	1,129,374	5,956,838	7,103,930	2,644,205	2,334,960	1,763,293	445,699	189,478	125,688	77,941	62,014															25,840,054
Total CAPEX	10,261	20,926	8,942	1,810,013	1,438,717	4,019,104	6,156,742	8,507,565	21,792,402	57,410,380	49,514,265	11,458,767	1,812,757	445,699	189,478	125,688	77,941	62,014	0	0	0	0	0	0	0	0	0	0	0	0	0	0	164,861,661
	0%	0%	0%	1%	1%	2%	4%	5%	13%	35%	30%	7%	1%	0%	0%	0%	0%	0%	0%	0%	0%	0%											

Convert to PVC (£000s)

	2018	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030	2031	2032	2033	2034	2035	2036	2037	2038	2039	2040	2041	2042	2043	2044	2045	2046	2047	2048	2049	Total
Preparation	9,273	18,271	7,543	1,475,315	1,133,021	1,741,139	2,853,099	5,240,728	3,173,401	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	15,651,793
Supervision	0	0	0	0	0	0	0	0	61,980	889,193	828,820	333,207	29,582	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2,142,782
Construction	0	0	0	0	0	0	0	0	7,632,250	32,467,631	29,198,472	5,314,295	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	74,612,649
Land	0	0	0	0	0	1,316,960	1,673,093	802,194	4,088,059	4,710,420	1,694,009	1,445,306	1,054,543	257,538	105,784	67,797	40,620	31,227	0	0	0	0	0	0	0	0	0	0	0	0	0	0	17,287,552
Total CAPEX	9,273	18,271	7,543	1,475,315	1,133,021	3,058,099	4,526,193	6,042,922	14,955,690	38,067,244	31,721,301	7,092,808	1,084,126	257,538	105,784	67,797	40,620	31,227	0	0	0	0	0	0	0	0	0	0	0	0	0	0	109,694,775

M60 J24 to 25 (2037)

Expenditure Profile	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030	2031	2032	2033	2034	2035	2036	2037	2038	2039	2040	2041	2042	2043	2044	2045	2046	2047	2048	2049	2050	Total
Preparation	13,847	27,290	0	0	0	0	0	0	0	0	0	0	0	0	0	43,661	1,169,059	718,038	0	0	0	0	0	0									**1,971,894**
Supervision	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	868,184	117,513	0	0	0	0	0									**985,697**
Construction	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	11,211,651	1,051,175	34,329	34,181	34,127	25,290	2,737									**12,393,489**
Land	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0									**0**
Total CAPEX	**13,847**	**27,290**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**43,661**	**1,169,059**	**12,797,872**	**1,168,688**	**34,329**	**34,181**	**34,127**	**25,290**	**2,737**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**15,351,079**
	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	8%	83%	8%	0%	0%	0%											

Convert to PVC (£000s)

	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030	2031	2032	2033	2034	2035	2036	2037	2038	2039	2040	2041	2042	2043	2044	2045	2046	2047	2048	2049	2050	Total
	12,090	23,022	0	0	0	0	0	0	0	0	0	0	0	0	0	22,755	588,674	349,338	0	0	0	0	0	0	0	0	0	0	0	0	0	0	**995,878**
	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	422,386	55,239	0	0	0	0	0	0	0	0	0	0	0	0	0	**477,625**
	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	5,454,657	494,120	15,591	14,999	14,469	10,360	1,083	0	0	0	0	0	0	0	0	**6,005,278**
	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	**0**
	12,090	**23,022**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**22,755**	**588,674**	**6,226,380**	**549,359**	**15,591**	**14,999**	**14,469**	**10,360**	**1,083**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**7,478,781**

CAPEX Summary - from EO Most Likely Costs (£000s) (Factor prices only)

	#REF!	#REF!	#REF!	#REF!	#REF!	2			
Optimised pacakge	**M60 J24 to 25**	**A6 to M60**	**M1 to M18**	**A628 + Tunnel**	**Denton Bypass**	**A628 Mottram**	**M60 J24 to 25 (2037)**	**Hollingworth to Tintwistle Bypass**	**Total**
Preparation	5,501	41,839	77,677	395,121	35,793	71,855	5,501	29,572	**719,123**
Supervision	2,507	6,562	10,834	60,544	6,944	14,669	2,507	6,430	**124,076**
Construction	30,141	474,341	1,053,227	3,812,116	440,905	411,094	30,141	317,559	**7,056,325**
Land	150	69,709	70,081	23,112	31,940	2,525	151	48,053	**292,195**
Total CAPEX	**38,299**	**592,451**	**1,211,820**	**4,290,893**	**515,582**	**500,142**	**38,300**	**401,615**	**8,191,719**

Converted to PVC - CAPEX (£000s)

Scheme	**M60 J24 to 25**	**A6 to M60**	**M1 to M18**	**A628 + Tunnel**	**Denton Bypass**	**A628 Mottram**	**M60 J24 to 25 (2037)**	**Hollingworth to Tintwistle Bypass**	**Total**
Preparation	2,405	23,661	43,631	212,544	17,619	37,342	2,753	21,492	**398,196**
Supervision	1,055	3,272	4,974	26,467	3,006	6,301	1,210	4,086	**57,531**
Construction	12,684	237,724	491,525	1,689,441	193,279	180,964	14,556	204,262	**3,301,270**
Land	59	34,829	33,420	10,706	13,932	1,140	68	32,037	**153,039**
Total CAPEX PVC (converted to market prices and values)									
TPTS Only	#REF!	#REF!	#REF!	#REF!	#REF!	0	0	0	**#REF!**
Optimised Pacakge	#REF!	#REF!	#REF!	#REF!	#REF!	225,747	0	0	**#REF!**
All Schemes	16,203	299,486	573,549	1,939,158	227,836	225,747	18,587	261,877	**3,910,037**

OPEX (£000s)

Scheme	**M60 J24 to 25**	**A6 to M60**	**M1 to M18**	**A628 + Tunnel**	**Denton Bypass**	**A628 Mottram**	**M60 J24 to 25 (2037)**	**Hollingworth to Tintwistle Bypass**	**Total**
OPEX 2010 Cost	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	**#REF!**
Single Year cost 2010	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	**#REF!**
Discounted to 2010	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	**#REF!**
Total OPEX PVC (converted to market prices and values)									
TPTS Only	#REF!	#REF!	#REF!	#REF!	#REF!	0	0	0	**#REF!**
Optimised Pacakge	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	0	0	**#REF!**
All Schemes	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	**#REF!**

Appraisal Summary	**Optimised Package**	**Package 1**	**Package 2**	**Package 3**
Present Value of Cost (£m)				
CAPEX	225.75	586.27	904.35	1,498.71
OPEX	#REF!	#REF!	#REF!	#REF!
Total PVC	**#REF!**	**#REF!**	**#REF!**	**#REF!**
Level 1 PVB (£m)				
User Benefits	4,429.84	1,331.51	1,668.91	2,539.24
Indirect Tax Revenue	138.05	-121.24	-92.31	-42.30

Greenhouse Gas	-255.44	43.40	20.86	-67.59
Accident	119.86			
Construction	-27.34			
Total	**4,404.96**	**1,253.67**	**1,597.45**	**2,429.35**
Initial BCR	**#REF!**	**#REF!**	**#REF!**	**#REF!**

*use values from NTEM Core
*use values from NTEM Core

Level 2 PVB (£m)				
Reliability	441.21	110.36	148.65	236.79
Wider Impacts - Static Clusteri	2,684.18	599.51	855.83	1,117.76
Total	**7,530.348**	**1,963.541**	**2,601.934**	**3,783.906**
Adjusted BCR	**#REF!**	**#REF!**	**#REF!**	**#REF!**

Costs obtained from EO - Most Likely Cost

A6 to M60

Expenditure Profile	2020	2023	2024	2025	2027	2028	2029	2030	2031	2032	2033	2034	2035	2036	2037	2038	2039	2040	2041	2042	2043	2044	2045	2046	2047	2048	2049	2050	Total
Preparation	35,125	0	0	0	0	13,546	5,442,314	3,650,061	9,238,422	9,769,237	7,573,542	6,098,776	0	0	0	0	0	0	0	0									**41,838,674**
Supervision	0	0	0	0	0	0	0	0	0	0	0	288,418	4,211,067	1,962,443	99,620	0	0	0	0	0									**6,561,548**
Construction	0	0	0	0	0	0	0	0	0	0	0	43,431,982	322,122,620	107,867,484	192,637	195,577	198,563	202,143	130,398	0									**474,341,404**
Land	0	0	0	0	0	0	0	0	0	0	0	20,702,887	27,067,809	10,525,076	7,377,305	3,619,511	175,537	114,988	70,569	55,472									**69,709,154**
Total CAPEX	**35,125**	**0**	**0**	**0**	**0**	**13,546**	**5,442,314**	**3,650,061**	**9,238,422**	**9,769,237**	**7,573,542**	**70,522,064**	**353,401,495**	**120,355,002**	**7,669,562**	**3,815,089**	**374,100**	**317,131**	**200,967**	**55,472**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**592,450,780**
	0%	0%	0%	0%	0%	0%	1%	1%	2%	2%	1%	12%	60%	20%	1%	1%	0%	0%											

Convert to PVC (£000s)

2019	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030	2031	2032	2033	2034	2035	2036	2037	2038	2039	2040	2041	2042	2043	2044	2045	2046	2047	2048	2049	2050	Total
15,413	29,632	0	0	0	0	0	0	0	8,678	3,368,712	2,182,931	5,338,232	5,454,060	4,085,243	3,178,493	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	**23,661,394**
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	150,315	2,120,461	954,761	46,828	0	0	0	0	0	0	0	0	0	0	0	0	0	**3,272,365**
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	22,635,402	162,203,208	52,479,346	90,552	88,825	87,131	85,703	53,416	0	0	0	0	0	0	0	0	0	**237,723,583**
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	10,789,703	13,629,857	5,120,627	3,467,810	1,643,869	77,028	48,751	28,907	21,955	0	0	0	0	0	0	0	0	**34,828,507**
15,413	**29,632**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**8,678**	**3,368,712**	**2,182,931**	**5,338,232**	**5,454,060**	**4,085,243**	**36,753,913**	**177,953,527**	**58,554,734**	**3,605,189**	**1,732,694**	**164,159**	**134,454**	**82,323**	**21,955**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**299,485,848**

M67, M60 to A57

Expenditure Profile	2020	2023	2024	2025	2027	2028	2029	2030	2031	2032	2033	2034	2035	2036	2037	2038	2039	2040	2041	2042	2043	2044	2045	2046	2047	2048	2049	2050	Total
Preparation	35,816	902,116	1,154,451	1,062,008	0	0	0	0	0	0	0	0	0	0															**5,490,710**
Supervision	0	0	0	0	1,117,732	360,981	125,246	0	0	0	0	0	0	0															**1,770,115**
Construction	0	0	0	0	28,598,358	8,469,106	24,891	25,241	25,611	26,068	15,087	0	0	0															**46,415,399**
Land	0	0	0	0	0	0	76,254	37,959	21,001	8,383	7,304	4,164	2,066	0															**157,130**
Total CAPEX	**35,816**	**902,116**	**1,154,451**	**1,062,008**	**29,716,089**	**8,830,087**	**226,391**	**63,199**	**46,611**	**34,451**	**22,391**	**4,164**	**2,066**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**53,833,354**
	0%	2%	2%	2%	55%	16%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%											

Convert to PVC (£000s)

2019	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030	2031	2032	2033	2034	2035	2036	2037	2038	2039	2040	2041	2042	2043	2044	2045	2046	2047	2048	2049	2050	Total
15,762	30,215	7,267	535,107	686,412	848,707	754,344	1,118,546	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	**3,996,360**
0	0	0	0	0	0	0	114,030	741,137	231,262	77,525	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	**1,163,955**
0	0	0	0	0	0	0	6,335,077	18,962,785	5,425,731	15,407	15,095	14,799	14,553	8,138	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	**30,791,585**
0	0	0	0	0	0	0	0	0	0	47,200	22,701	12,135	4,680	3,940	2,170	1,040	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	**93,867**
15,762	**30,215**	**7,267**	**535,107**	**686,412**	**848,707**	**754,344**	**7,567,653**	**19,703,922**	**5,656,993**	**140,133**	**37,797**	**26,933**	**19,233**	**12,078**	**2,170**	**1,040**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**36,045,766**

A616 dualling to M1

Expenditure Profile	2020	2023	2024	2025	2027	2028	2029	2030	2031	2032	2033	2034	2035	2036	2037	2038	2039	2040	2041	2042	2043	2044	2045	2046	2047	2048	2049	2050	Total
Preparation	35,235	3,586,162	3,314,338	3,787,320	7,216,317	5,262,625	8,014,216	4,466,298	0	0	0	0	0	0	0	0	0												**42,810,795**
Supervision	0	0	0	0	0	0	0	467,926	2,342,737	2,174,190	999,155	350,313	0	0	0	0	0												**6,334,322**
Construction	0	0	0	0	0	0	0	58,008,644	157,758,313	139,936,300	18,675,673	448,200	455,042	463,247	469,039	178,104	0												**376,392,563**
Land	0	0	0	0	0	0	0	20,636,411	13,494,789	5,521,230	4,655,053	1,340,056	135,823	44,456	43,656	21,437	15,783												**45,908,693**
Total CAPEX	**35,235**	**3,586,162**	**3,314,338**	**3,787,320**	**7,216,317**	**5,262,625**	**8,014,216**	**83,579,280**	**173,595,839**	**147,631,720**	**24,329,881**	**2,138,569**	**590,865**	**507,703**	**512,695**	**199,541**	**15,783**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**471,446,374**
	0%	1%	1%	1%	2%	1%	2%	18%	37%	31%	5%	0%	0%	0%	0%	0%	0%	0%											

Convert to PVC (£000s)

2019	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030	2031	2032	2033	2034	2035	2036	2037	2038	2039	2040	2041	2042	2043	2044	2045	2046	2047	2048	2049	2050	Total
15,506	29,725	0	80,120	2,728,678	2,436,570	2,690,132	4,809,991	4,784,941	3,371,500	4,960,681	2,671,085	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	**28,578,930**
0	0	0	0	0	0	0	0	0	0	0	279,845	1,353,703	1,213,827	538,954	182,572	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	**3,568,901**
0	0	0	0	0	0	0	0	0	0	0	34,692,267	91,157,387	78,124,932	10,073,843	233,588	229,134	225,378	220,479	80,889	0	0	0	0	0	0	0	0	0	0	0	0	**215,037,897**
0	0	0	0	0	0	0	0	0	0	0	12,341,676	7,797,685	3,082,443	2,510,982	698,396	68,393	21,629	20,521	9,736	6,926	0	0	0	0	0	0	0	0	0	0	0	**26,558,386**
15,506	**29,725**	**0**	**80,120**	**2,728,678**	**2,436,570**	**2,690,132**	**4,809,991**	**4,784,941**	**3,371,500**	**4,960,681**	**49,984,873**	**100,308,775**	**82,421,202**	**13,123,779**	**1,114,556**	**297,527**	**247,006**	**241,000**	**90,625**	**6,926**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**273,744,115**

A628 + Tunnel

Expenditure Profile	2020	2023	2024	2025	2027	2028	2029	2030	2031	2032	2033	2034	2035	2036	2037	2038	2039	2040	2041	2042	2043	2044	2045	2046	2047	2048	2049	2050	Total
Preparation	32,925	0	0	0	0	19,460,952	13,768,301	17,316,838	50,105,203	72,731,944	34,809,210	37,976,481	34,316,863	114,582,207	0	0	0	0	0	0	0	0	0	0					**395,120,797**
Supervision	0	0	0	0	0	0	0	0	0	0	0	0	0	192,544	5,225,452	16,667,334	17,278,097	12,305,262	2,585,719	6,289,390	0	0	0	0					**60,543,799**
Construction	0	0	0	0	0	0	0	0	0	0	0	0	0	26,886,930	486,591,732	1,147,928,048	1,148,359,742	829,354,947	169,889,015	623,497	633,014	644,429	652,486	552,040					**3,812,115,880**
Land	0	0	0	0	0	0	0	0	0	0	0	0	0	3,501,647	11,547,242	4,036,364	2,305,264	1,721,932	0	0	0	0	0	0					**23,112,449**
Total CAPEX	**32,925**	**0**	**0**	**0**	**0**	**19,460,952**	**13,768,301**	**17,316,838**	**50,105,203**	**72,731,944**	**34,809,210**	**37,976,481**	**34,316,863**	**145,163,328**	**503,364,427**	**1,168,631,746**	**1,167,943,102**	**843,382,141**	**172,474,735**	**6,912,887**	**633,014**	**644,429**	**652,486**	**552,040**	**0**	**0**	**0**	**0**	**4,290,892,925**
	0%	0%	0%	0%	0%	0%	0%	0%	1%	2%	1%	1%	1%	3%	12%	27%	27%	20%											

Convert to PVC (£000s)

2019	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030	2031	2032	2033	2034	2035	2036	2037	2038	2039	2040	2041	2042	2043	2044	2045	2046	2047	2048	2049	2050	Total
17,352	27,776	0	0	0	0	0	0	0	12,467,654	8,522,376	10,356,394	28,952,258	40,605,463	18,776,432	19,792,164	17,280,082	55,746,172	0	0	0	0	0	0	0	0	0	0	0	0	0	0	**212,544,123**
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	93,676	2,456,300	7,569,781	7,581,807	5,217,078	1,059,199	2,489,226	0	0	0	0	0	0	0	0	**26,467,067**
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	13,080,944	228,729,532	521,352,949	503,912,088	351,622,702	69,592,336	246,769	242,063	238,095	232,920	190,399	0	0	0	0	**1,689,440,797**
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1,703,610	5,427,949	1,833,190	1,011,573	730,050	0	0	0	0	0	0	0	0	0	0	**10,706,373**
17,352	**27,776**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**12,467,654**	**8,522,376**	**10,356,394**	**28,952,258**	**40,605,463**	**18,776,432**	**19,792,164**	**17,280,082**	**70,624,402**	**236,613,782**	**530,755,920**	**512,505,468**	**357,569,830**	**70,651,535**	**2,735,995**	**242,063**	**238,095**	**232,920**	**190,399**	**0**	**0**	**0**	**0**	**1,939,158,360**

Denton Bypass

Expenditure Profile	2020	2023	2024	2025	2027	2028	2029	2030	2031	2032	2033	2034	2035	2036	2037	2038	2039	2040	2041	2042	2043	2044	2045	2046	2047	2048	2049	2050	Total
Preparation	35,112	0	0	0	0	0	0	0	0	2,390	4,743,517	4,785,844	9,296,588	2,821,850	4,173,116	9,916,834	0	0	0	0	0	0	0						**35,792,897**
Supervision	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	453,942	4,025,415	1,635,310	829,625	0	0	0	0						**6,944,291**
Construction	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	64,238,751	298,142,228	78,111,206	87,685	89,024	90,382	92,012	53,971						**440,905,260**
Land	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	9,657,495	12,751,093	4,773,303	3,179,566	1,578,354	0	0	0						**31,939,811**

Convert to PVC (£000s)

2019	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030	2031	2032	2033	2034	2035	2036	2037	2038	2039	2040	2041	2042	2043	2044	2045	2046	2047	2048	2049	2050	Total
15,407	29,621	0	0	0	0	0	0	0	0	0	0	0	1,334	2,558,700	2,494,234	4,681,250	1,372,877	1,961,634	4,503,915	0	0	0	0	0	0	0	0	0	0	0	0	**17,618,973**
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	206,166	1,766,393	693,325	339,843	0	0	0	0	0	0	0	0	0	**3,005,727**
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	29,175,228	130,827,882	33,116,910	35,919	35,234	34,562	33,995	19,266	0	0	0	0	0	**193,278,996**
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	4,386,132	5,595,311	2,023,744	1,302,459	624,684	0	0	0	0	0	0	0	0	**13,932,328**

Total CAPEX	**35,112**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**2,390**	**4,743,517**	**4,785,844**	**9,296,588**	**2,821,850**	**4,173,116**	**84,267,022**	**314,918,736**	**84,519,820**	**4,096,875**	**1,667,378**	**90,382**	**92,012**	**53,971**	**0**	**0**	**0**	**0**	**0**	**515,582,259**
	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	1%	1%	2%	1%	1%	16%	61%	16%											

15,407	**29,621**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**1,334**	**2,558,700**	**2,494,234**	**4,681,250**	**1,372,877**	**1,961,634**	**38,271,441**	**138,189,586**	**35,833,979**	**1,678,220**	**659,918**	**34,562**	**33,995**	**19,266**	**0**	**0**	**0**	**0**	**0**	**227,836,024**

M1 J35a to 36

Expenditure Profile	2020	2023	2024	2025	2027	2028	2029	2030	2031	2032	2033	2034	2035	2036	2037	2038	2039	2040	2041	2042	2043	2044	2045	2046	2047	2048	2049	2050	Total
Preparation	36,307	0	0	0	0	374,374	1,873,282	806,364	0	0	0	0	0	0	0														**3,108,626**
Supervision	0	0	0	0	0	0	0	916,195	743,523	0	0	0	0	0	0														**1,659,718**
Construction	0	0	0	0	0	0	0	12,564,041	6,848,175	52,908	53,572	54,393	55,223	13,755	0														**19,642,068**
Land	0	0	0	0	0	0	0	0	71,520	63,034	31,382	10,406	10,354	5,151	3,837														**195,684**
Total CAPEX	**36,307**	**0**	**0**	**0**	**0**	**374,374**	**1,873,282**	**14,286,600**	**7,663,218**	**115,943**	**84,954**	**64,799**	**65,577**	**18,906**	**3,837**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**24,606,096**
	0%	0%	0%	0%	0%	2%	8%	58%	31%	0%	0%	0%	0%	0%	0%	0%	0%	0%											

Convert to PVC (£000s)

2019	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030	2031	2032	2033	2034	2035	2036	2037	2038	2039	2040	2041	2042	2043	2044	2045	2046	2047	2048	2049	2050	Total
15,978	30,629	0	0	0	0	0	0	0	239,843	1,159,534	482,249	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	**1,928,232**
0	0	0	0	0	0	0	0	0	0	0	547,934	429,630	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	**977,563**
0	0	0	0	0	0	0	0	0	0	0	7,513,968	3,957,077	29,538	28,897	28,348	27,807	6,692	0	0	0	0	0	0	0	0	0	0	0	0	0	0	**11,592,327**
0	0	0	0	0	0	0	0	0	0	0	0	41,326	35,191	16,928	5,423	5,214	2,506	1,804	0	0	0	0	0	0	0	0	0	0	0	0	0	**108,392**
15,978	**30,629**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**239,843**	**1,159,534**	**8,544,150**	**4,428,033**	**64,730**	**45,825**	**33,771**	**33,021**	**9,198**	**1,804**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**14,606,515**

M1 to M18

Expenditure Profile	2020	2023	2024	2025	2027	2028	2029	2030	2031	2032	2033	2034	2035	2036	2037	2038	2039	2040	2041	2042	2043	2044	2045	2046	2047	2048	2049	2050	Total
Preparation	35,108	0	0	0	71,191	7,573,112	4,047,935	6,501,426	17,214,068	13,312,776	7,356,103	5,428,524	16,119,494	0	0	0	0	0	0	0	0	0	0						**77,677,381**
Supervision	0	0	0	0	0	0	0	0	0	0	0	0	20,321	1,642,802	3,584,377	3,150,713	1,047,792	1,387,920	0	0	0	0	0						**10,833,924**
Construction	0	0	0	0	0	0	0	0	0	0	0	0	20,497,270	228,234,443	386,434,938	336,562,421	78,988,933	519,552	526,048	534,078	542,230	387,084	0						**1,053,226,996**
Land	0	0	0	0	0	0	0	0	0	0	0	0	10,308,789	33,689,514	11,580,631	6,500,571	5,585,487	1,219,358	598,864	252,036	165,141	101,369	79,702						**70,081,464**
Total CAPEX	**35,108**	**0**	**0**	**0**	**71,191**	**7,573,112**	**4,047,935**	**6,501,426**	**17,214,068**	**13,312,776**	**7,356,103**	**5,428,524**	**46,945,874**	**263,566,758**	**401,599,946**	**346,213,705**	**85,622,213**	**3,126,830**	**1,124,912**	**786,114**	**707,371**	**488,453**	**79,702**	**0**	**0**	**0**	**0**	**0**	**1,211,819,766**
	0%	0%	0%	0%	0%	1%	0%	1%	1%	1%	1%	0%	4%	22%	33%	29%	7%	0%											

Convert to PVC (£000s)

2019	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030	2031	2032	2033	2034	2035	2036	2037	2038	2039	2040	2041	2042	2043	2044	2045	2046	2047	2048	2049	2050	Total
15,405	29,618	0	0	0	0	0	0	47,205	4,851,712	2,505,612	3,888,200	9,946,794	7,432,380	3,967,955	2,829,178	8,116,890	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	**43,630,949**
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	10,232	799,251	1,684,889	1,430,955	459,782	588,438	0	0	0	0	0	0	0	0	0	0	**4,973,547**
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	10,321,296	111,039,897	181,649,372	152,856,105	34,661,158	220,275	215,487	211,378	207,348	143,014	0	0	0	0	0	0	**491,525,331**
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	5,190,938	16,390,515	5,443,644	2,952,356	2,450,969	516,973	245,315	99,751	63,149	37,453	28,452	0	0	0	0	0	**33,419,516**
15,405	**29,618**	**0**	**0**	**0**	**0**	**0**	**0**	**47,205**	**4,851,712**	**2,505,612**	**3,888,200**	**9,946,794**	**7,432,380**	**3,967,955**	**2,829,178**	**23,639,356**	**128,229,663**	**188,777,905**	**157,239,416**	**37,571,909**	**1,325,686**	**460,803**	**311,130**	**270,497**	**180,467**	**28,452**	**0**	**0**	**0**	**0**	**0**	**573,549,343**

M18 J1a to 2

Expenditure Profile	2020	2023	2024	2025	2027	2028	2029	2030	2031	2032	2033	2034	2035	2036	2037	2038	2039	2040	2041	2042	2043	2044	2045	2046	2047	2048	2049	2050	Total
Preparation	35,597	0	0	0	0	0	0	0	0	0	0	0	0	0	1,786,448	2,413,852	600,122	0	0	0	0	0	0	0					**4,853,960**
Supervision	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2,984,007	331,802	0	0	0	0	0	0					**3,315,809**
Construction	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	42,349,917	1,504,140	118,589	120,400	122,237	124,442	10,213	0					**44,349,938**
Land	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	102,188	51,034	28,326	11,347	9,916	5,673	2,821					**211,306**
Total CAPEX	**35,597**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**1,786,448**	**2,413,852**	**45,934,046**	**1,938,130**	**169,624**	**148,726**	**133,585**	**134,358**	**15,886**	**2,821**	**0**	**0**	**0**	**0**	**52,731,013**
	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	3%	5%	87%	4%											

Convert to PVC (£000s)

2019	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030	2031	2032	2033	2034	2035	2036	2037	2038	2039	2040	2041	2042	2043	2044	2045	2046	2047	2048	2049	2050	Total
15,666	30,030	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	839,746	1,096,296	263,340	0	0	0	0	0	0	0	0	0	0	0	**2,245,077**
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1,309,413	140,674	0	0	0	0	0	0	0	0	0	0	**1,450,088**
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	18,583,580	637,712	48,578	47,652	46,743	45,977	3,646	0	0	0	0	0	**19,413,888**
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	43,325	20,905	11,211	4,339	3,664	2,025	973	0	0	0	0	**86,442**
15,666	**30,030**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**839,746**	**1,096,296**	**20,156,333**	**821,711**	**69,484**	**58,863**	**51,082**	**49,641**	**5,671**	**973**	**0**	**0**	**0**	**0**	**23,195,495**

M60 J24 to 25

Expenditure Profile	2020	2023	2024	2025	2027	2028	2029	2030	2031	2032	2033	2034	2035	2036	2037	2038	2039	2040	2041	2042	2043	2044	2045	2046	2047	2048	2049	2050	Total
Preparation	36,189	0	0	0	0	0	0	0	0	0	0	0	0	0	0	110,129	3,104,551	2,231,997	0	0	0	0	0	0	0				**5,501,107**
Supervision	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1,936,175	570,448	0	0	0	0	0	0				**2,506,623**
Construction	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	24,657,614	5,026,365	107,162	108,798	110,760	112,145	18,488	0				**30,141,333**
Land	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	73,188	36,501	20,232	8,093	7,063	4,035	1,005				**150,118**
Total CAPEX	**36,189**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**110,129**	**3,104,551**	**28,825,787**	**5,670,001**	**143,664**	**129,030**	**118,853**	**119,208**	**22,524**	**1,005**	**0**	**0**	**0**	**38,299,182**
	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	8%	75%											

Convert to PVC (£000s)

2019	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030	2031	2032	2033	2034	2035	2036	2037	2038	2039	2040	2041	2042	2043	2044	2045	2046	2047	2048	2049	2050	Total
15,926	30,530	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	50,017	1,362,309	946,303	0	0	0	0	0	0	0	0	0	0	**2,405,085**
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	820,883	233,675	0	0	0	0	0	0	0	0	0	**1,054,558**
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	10,454,121	2,058,970	42,413	41,604	40,922	40,033	6,377	0	0	0	0	**12,684,440**
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	29,980	14,447	7,737	2,990	2,521	1,392	335	0	0	0	**59,402**
15,926	**30,530**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**50,017**	**1,362,309**	**12,221,307**	**2,322,626**	**56,859**	**49,341**	**43,912**	**42,554**	**7,768**	**335**	**0**	**0**	**0**	**16,203,485**

A628 Mottram

Expenditure Profile	2020	2023	2024	2025	2027	2028	2029	2030	2031	2032	2033	2034	2035	2036	2037	2038	2039	2040	2041	2042	2043	2044	2045	2046	2047	2048	2049	2050	Total
Preparation	35,196	0	0	0	0	0	0	0	9,284,605	6,628,977	9,006,822	14,613,927	12,407,543	10,518,809	9,341,512	0	0	0	0	0	0	0	0	0	0				**71,855,079**
Supervision	0	0	0	0	0	0	0	0	0	0	0	0	0	0	184,945	3,169,737	4,027,997	3,434,394	1,877,977	1,974,133	0	0	0	0	0				**14,669,181**
Construction	0	0	0	0	0	0	0	0	0	0	0	0	0	0	34,955,069	112,628,509	132,970,171	110,154,778	19,824,239	118,982	120,798	122,976	124,514	73,582	0				**411,093,619**
Land	0	0	0	0	0	0	0	0	0	0	0	0	0	0	774,210	1,012,373	372,911	244,261	119,849	0	0	0	0	0	1,005				**2,524,609**
Total CAPEX	**35,196**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**9,284,605**	**6,628,977**	**9,006,822**	**14,613,927**	**12,407,543**	**10,518,809**	**45,255,736**	**116,810,619**	**137,371,079**	**113,833,433**	**21,822,065**	**2,093,115**	**120,798**	**122,976**	**124,514**	**73,582**	**1,005**	**0**	**0**	**0**	**500,142,489**
	0%	0%	0%	0%	0%	0%	0%	0%	2%	1%	2%	3%	2%	2%	9%	23%	27%	23%											

Convert to PVC (£000s)

2019	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030	2031	2032	2033	2034	2035	2036	2037	2038	2039	2040	2041	2042	2043	2044	2045	2046	2047	2048	2049	2050	Total
15,444	29,692	0	0	0	0	0	0	0	0	0	0	5,364,918	3,700,887	4,858,369	7,616,325	6,247,755	5,117,577	4,391,114	0	0	0	0	0	0	0	0	0	0	0	0	0	**37,342,081**
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	86,936	1,439,595	1,767,526	1,456,084	769,283	781,326	0	0	0	0	0	0	0	0	**6,300,751**
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	16,431,140	51,152,340	58,348,681	46,702,466	8,120,685	47,091	46,193	45,436	44,448	25,378	0	0	0	0	**180,963,857**
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	363,929	459,788	163,637	103,560	49,094	0	0	0	0	0	335	0	0	0	**1,140,343**
15,444	**29,692**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**5,364,918**	**3,700,887**	**4,858,369**	**7,616,325**	**6,247,755**	**5,117,577**	**21,273,118**	**53,051,723**	**60,279,845**	**48,262,110**	**8,939,062**	**828,417**	**46,193**	**45,436**	**44,448**	**25,378**	**335**	**0**	**0**	**0**	**225,747,032**

Hollingworth to Tintwistle Bypass

Expenditure Profile	2019	2022	2023	2024	2026	2027	2028	2029	2030	2031	2032	2033	2034	2035	2036	2037	2038	2039	2040	2041	2042	2043	2044	2045	2046	2047	2048	2049	Total
Preparation	21,666	1,784,546	2,948,529	5,129,595	6,850,354	0	0	0	0	0	0	0	0	0	0														**29,571,976**
Supervision	0	0	0	0	96,761	1,653,570	2,102,314	1,777,852	710,825	88,551	0	0	0	0	0														**6,429,874**
Construction	0	0	0	0	28,195,831	88,079,104	102,908,356	83,443,493	14,932,672	0	0	0	0	0	0														**317,559,456**
Land	0	0	3,205,255	4,211,965	11,027,075	13,145,989	4,888,627	3,234,196	2,738,846	1,753,656	870,784	370,187	245,554	152,269	121,153														**48,053,438**
Total CAPEX	**21,666**	**1,784,546**	**6,153,784**	**9,341,560**	**46,170,021**	**102,878,663**	**109,899,297**	**88,455,540**	**18,382,344**	**1,842,207**	**870,784**	**370,187**	**245,554**	**152,269**	**121,153**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**401,614,744**
	0%	0%	2%	2%	11%	26%	27%	22%	5%	0%	0%	0%	0%	0%	0%	0%	0%	0%											

Convert to PVC (£000s)

2018	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030	2031	2032	2033	2034	2035	2036	2037	2038	2039	2040	2041	2042	2043	2044	2045	2046	2047	2048	2049	Total
9,531	18,917	8,111	1,787,237	1,405,370	2,243,509	3,771,075	7,546,528	4,701,261	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	**21,491,539**
0	0	0	0	0	0	0	0	66,405	1,096,437	1,346,847	1,100,464	425,111	51,168	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	**4,086,432**
0	0	0	0	0	0	0	0	19,350,236	58,402,832	65,928,213	51,650,293	8,930,535	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	**204,262,109**
0	0	0	0	0	2,438,849	3,096,469	1,483,023	7,567,661	8,716,744	3,131,897	2,001,920	1,637,976	1,013,314	486,149	199,682	127,975	76,674	58,943	0	0	0	0	0	0	0	0	0	0	0	0	0	**32,037,278**
9,531	**18,917**	**8,111**	**1,787,237**	**1,405,370**	**4,682,358**	**6,867,544**	**9,029,551**	**31,685,564**	**68,216,012**	**70,406,958**	**54,752,677**	**10,993,623**	**1,064,481**	**486,149**	**199,682**	**127,975**	**76,674**	**58,943**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**261,877,359**

M60 J24 to 25 (2037)

Expenditure Profile	2020	2023	2024	2025	2027	2028	2029	2030	2031	2032	2033	2034	2035	2036	2037	2038	2039	2040	2041	2042	2043	2044	2045	2046	2047	2048	2049	2050	Total
Preparation	36,189	0	0	0	0	0	0	0	0	0	0	110,129	3,104,551	2,231,997	0	0	0	0	0	0	0				0				**5,501,107**
Supervision	0	0	0	0	0	0	0	0	0	0	0	0	0	1,936,175	570,448	0	0	0	0	0	0				0				**2,506,623**
Construction	0	0	0	0	0	0	0	0	0	0	0	0	0	24,657,614	5,026,365	107,162	108,798	110,760	112,145	18,488	0				0				**30,141,333**
Land	0	0	0	0	0	0	0	0	0	0	0	0	0	0	73,188	36,501	20,232	8,093	7,063	4,035	1,005				1,005				**151,123**
Total CAPEX	**36,189**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**110,129**	**3,104,551**	**28,825,787**	**5,670,001**	**143,664**	**129,030**	**118,853**	**119,208**	**22,524**	**1,005**	**0**	**0**	**0**	**1,005**	**0**	**0**	**0**	**38,300,187**
	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	8%	75%	15%	0%	0%	0%											

Convert to PVC (£000s)

	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030	2031	2032	2033	2034	2035	2036
Preparation	15,926	30,530	0	0	0	0	0	0	0	0	0	0	0	0	0	57,396	1,563,281	1,085,904
Supervision	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	941,982
Construction	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	11,996,344
Land	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Total CAPEX	**15,926**	**30,530**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**57,396**	**1,563,281**	**14,024,230**

	2037	2038	2039	2040	2041	2042	2043	2044	2045	2046	2047	2048	2049	2050	Total
Preparation	0	0	0	0	0	0	0	0	0	0	0	0	0	0	**2,753,037**
Supervision	268,148	0	0	0	0	0	0	0	0	0	0	0	0	0	**1,210,129**
Construction	2,362,716	48,670	47,742	46,959	45,938	7,317	0	0	0	0	0	0	0	0	**14,555,687**
Land	34,403	16,578	8,878	3,431	2,893	1,597	384	0	0	0	335	0	0	0	**68,500**
Total CAPEX	**2,665,267**	**65,248**	**56,620**	**50,390**	**48,832**	**8,914**	**384**	**0**	**0**	**0**	**335**	**0**	**0**	**0**	**18,587,353**

CAPEX Summary - from EO Most Likely Costs (£000s) (Factor prices only)

	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	2			
Optimised pacakge	**M67, M60 to A57**	**M60 J24 to 25**	**M18 J1a to 2**	**M1 J35a to 36**	**A6 to M60**	**M1 to M18**	**A628 + Tunnel**	**A616 dualling to M1**	**Denton Bypass**	**A628 Mottram**	**M60 J24 to 25 (2037)**	**Hollingworth to Tintwistle Bypass**	**Total**
Preparation	5,491	5,501	4,854	3,109	41,839	77,677	558,098	42,811	35,793	71,855	5,501	29,572	**882,101**
Supervision	1,770	2,507	3,316	1,660	6,562	10,834	102,797	6,334	6,944	14,669	2,507	6,430	**166,329**
Construction	46,415	30,141	44,350	19,642	474,341	1,053,227	5,907,620	376,393	440,905	411,094	30,141	317,559	**9,151,829**
Land	157	150	211	196	69,709	70,081	33,041	45,909	31,940	2,525	151	48,053	**302,124**
Total CAPEX	**53,833**	**38,299**	**52,731**	**24,606**	**592,451**	**1,211,820**	**6,601,557**	**471,446**	**515,582**	**500,142**	**38,300**	**401,615**	**10,502,383**

Converted to PVC - CAPEX (£000s)

Scheme	M67, M60 to A57	M60 J24 to 25	M18 J1a to 2	M1 J35a to 36	A6 to M60	M1 to M18	A628 + Tunnel	A616 dualling to M1	Denton Bypass	A628 Mottram	M60 J24 to 25 (2037)	Hollingworth to Tintwistle Bypass	Total
Preparation	3,996	2,405	2,245	1,928	23,661	43,631	299,341	28,579	17,619	37,342	2,753	21,492	**484,993**
Supervision	1,164	1,055	1,450	978	3,272	4,974	44,360	3,569	3,006	6,301	1,210	4,086	**75,424**
Construction	30,792	12,684	19,414	11,592	237,724	491,525	2,581,533	215,038	193,279	180,964	14,556	204,262	**4,193,363**
Land	94	59	86	108	34,829	33,420	15,306	26,558	13,932	1,140	68	32,037	**157,639**
Total CAPEX PVC (converted to market prices and values)													
TPTS Only	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	0	0	0	**#REF!**
Optimised Pacakge	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	225,747	0	0	**#REF!**
All Schemes	36,046	16,203	23,195	14,607	299,486	573,549	2,940,540	273,744	227,836	225,747	18,587	261,877	**4,911,418**

OPEX (£000s)

Scheme	M67, M60 to A57	M60 J24 to 25	M18 J1a to 2	M1 J35a to 36	A6 to M60	M1 to M18	A628 + Tunnel	A616 dualling to M1	Denton Bypass	A628 Mottram	M60 J24 to 25 (2037)	Hollingworth to Tintwistle Bypass	Total
OPEX 2010 Cost	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	**#REF!**
Single Year cost 2010	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	**#REF!**
Discounted to 2010	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	**#REF!**
Total OPEX PVC (converted to market prices and values)													
TPTS Only	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	0	0	0	**#REF!**
Optimised Pacakge	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	0	0	**#REF!**
All Schemes	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	**#REF!**

Appraisal Summary	TPTS Only	Optimised Package	Low Growth	Trans-formational	Package 1	Package 2	Package 3	Toll
Present Value of Cost (£m)								
CAPEX	0.00	225.75	225.75	225.75	586.27	904.35	1,498.71	225.75
OPEX	0.00	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!
Total PVC	**0.00**	**#REF!**	**#REF!**	**#REF!**	**#REF!**	**#REF!**	**#REF!**	**#REF!**
Level 1 PVB (£m)								
User Benefits	2,213.45	4,429.84	4,317.13	4,647.78	1,331.51	1,668.91	2,539.24	4,536.53
Indirect Tax Revenue	187.11	138.05	95.91	100.63	-121.24	-92.31	-42.30	-39.63

Greenhouse Gas	-98.82	-255.44	-59.92	-59.09	43.40	20.86	-67.59	22.71	
Accident	0.00	119.86	119.86	119.86					*use values from NTEM Core
Construction	-28.18	-27.34	-27.34	-27.34					*use values from NTEM Core
Total	**2,273.55**	**4,404.96**	**4,445.64**	**4,781.84**	**1,253.67**	**1,597.45**	**2,429.35**	**4,519.60**	
Initial BCR	**#DIV/0!**	**#REF!**	**#REF!**	**#REF!**	**#REF!**	**#REF!**	**#REF!**	**#REF!**	
Level 2 PVB (£m)									
Reliability	110.36	441.21	423.80	457.12	110.36	148.65	236.79	421.90	
Wider Impacts - Static Clusteri	0.00	2,684.18	3,045.59	2,656.46	599.51	855.83	1,117.76	1,770.35	
Total	**2,383.91**	**7,530.35**	**7,915.04**	**7,895.42**	**1,963.54**	**2,601.93**	**3,783.91**	**6,711.86**	
Adjusted BCR	**#DIV/0!**	**#REF!**	**#REF!**	**#REF!**	**#REF!**	**#REF!**	**#REF!**	**#REF!**	

Costs obtained from EO - Most Likely Cost

A6 to M60

Expenditure Profile	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030	2031	2032	2033	2034	2035	2036	2037	2038	2039	2040	2041	2042	2043	2044	2045	2046	2047	2048	2049	2050	Total
Preparation	17,652	35,125	0	0	0	0	0	0	0	13,546	5,442,314	3,650,061	9,238,422	9,769,237	7,573,542	6,098,776	0	0	0	0	0	0	0	0									**41,838,674**
Supervision	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	288,418	4,211,067	1,962,443	99,620	0	0	0	0	0									**6,561,548**
Construction	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	43,431,982	322,122,620	107,867,484	192,637	195,577	198,563	202,143	130,398	0									**474,341,404**
Land	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	20,702,887	27,067,809	10,525,076	7,377,305	3,619,511	175,537	114,988	70,569	55,472									**69,709,154**
Total CAPEX	**17,652**	**35,125**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**13,546**	**5,442,314**	**3,650,061**	**9,238,422**	**9,769,237**	**7,573,542**	**70,522,064**	**353,401,495**	**120,355,002**	**7,669,562**	**3,815,089**	**374,100**	**317,131**	**200,967**	**55,472**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**592,450,780**
	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	1%	1%	2%	2%	1%	12%	60%	20%	1%	1%	0%	0%											

Convert to PVC (£000s)

	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030	2031	2032	2033	2034	2035	2036	2037	2038	2039	2040	2041	2042	2043	2044	2045	2046	2047	2048	2049	2050	Total
	15,413	29,632	0	0	0	0	0	0	0	8,678	3,368,712	2,182,931	5,338,232	5,454,060	4,085,243	3,178,493	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	**23,661,394**
	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	150,315	2,120,461	954,761	46,828	0	0	0	0	0	0	0	0	0	0	0	0	0	**3,272,365**
	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	22,635,402	162,203,208	52,479,346	90,552	88,825	87,131	85,703	53,416	0	0	0	0	0	0	0	0	0	**237,723,583**
	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	10,789,703	13,629,857	5,120,627	3,467,810	1,643,869	77,028	48,751	28,907	21,955	0	0	0	0	0	0	0	0	**34,828,507**
	15,413	**29,632**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**8,678**	**3,368,712**	**2,182,931**	**5,338,232**	**5,454,060**	**4,085,243**	**36,753,913**	**177,953,527**	**58,554,734**	**3,605,189**	**1,732,694**	**164,159**	**134,454**	**82,323**	**21,955**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**299,485,848**

M67, M60 to A57

Expenditure Profile	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030	2031	2032	2033	2034	2035	2036	2037	2038	2039	2040	2041	2042	2043	2044	2045	2046	2047	2048	2049	2050	Total
Preparation	18,052	35,816	8,916	679,482	902,116	1,154,451	1,062,008	1,629,868	0	0	0	0	0	0	0	0	0	0															**5,490,710**
Supervision	0	0	0	0	0	0	0	166,157	1,117,732	360,981	125,246	0	0	0	0	0	0	0															**1,770,115**
Construction	0	0	0	0	0	0	0	9,231,038	28,598,358	8,469,106	24,891	25,241	25,611	26,068	15,087	0	0	0															**46,415,399**
Land	0	0	0	0	0	0	0	0	0	0	76,254	37,959	21,001	8,383	7,304	4,164	2,066	0															**157,130**
Total CAPEX	**18,052**	**35,816**	**8,916**	**679,482**	**902,116**	**1,154,451**	**1,062,008**	**11,027,063**	**29,716,089**	**8,830,087**	**226,391**	**63,199**	**46,611**	**34,451**	**22,391**	**4,164**	**2,066**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**53,833,354**
	0%	0%	0%	1%	2%	2%	2%	20%	55%	16%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%											

Convert to PVC (£000s)

	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030	2031	2032	2033	2034	2035	2036	2037	2038	2039	2040	2041	2042	2043	2044	2045	2046	2047	2048	2049	2050	Total
	15,762	30,215	7,267	535,107	686,412	848,707	754,344	1,118,546	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	**3,996,360**
	0	0	0	0	0	0	0	114,030	741,137	231,262	77,525	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	**1,163,955**
	0	0	0	0	0	0	0	6,335,077	18,962,785	5,425,731	15,407	15,095	14,799	14,553	8,138	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	**30,791,585**
	0	0	0	0	0	0	0	0	0	0	47,200	22,701	12,135	4,680	3,940	2,170	1,040	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	**93,867**
	15,762	**30,215**	**7,267**	**535,107**	**686,412**	**848,707**	**754,344**	**7,567,653**	**19,703,922**	**5,656,993**	**140,133**	**37,797**	**26,933**	**19,233**	**12,078**	**2,170**	**1,040**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**36,045,766**

A616 dualling to M1

Expenditure Profile	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030	2031	2032	2033	2034	2035	2036	2037	2038	2039	2040	2041	2042	2043	2044	2045	2046	2047	2048	2049	2050	Total
Preparation	17,759	35,235	0	101,737	3,586,162	3,314,338	3,787,320	7,008,788	7,216,317	5,262,625	8,014,216	4,466,298	0	0	0	0	0	0	0	0	0												**42,810,795**
Supervision	0	0	0	0	0	0	0	0	0	0	0	467,926	2,342,737	2,174,190	999,155	350,313	0	0	0	0	0												**6,334,322**
Construction	0	0	0	0	0	0	0	0	0	0	0	58,008,644	157,758,313	139,936,300	18,675,673	448,200	455,042	463,247	469,039	178,104	0												**376,392,563**
Land	0	0	0	0	0	0	0	0	0	0	0	20,636,411	13,494,789	5,521,230	4,655,053	1,340,056	135,823	44,456	43,656	21,437	15,783												**45,908,693**
Total CAPEX	**17,759**	**35,235**	**0**	**101,737**	**3,586,162**	**3,314,338**	**3,787,320**	**7,008,788**	**7,216,317**	**5,262,625**	**8,014,216**	**83,579,280**	**173,595,839**	**147,631,720**	**24,329,881**	**2,138,569**	**590,865**	**507,703**	**512,695**	**199,541**	**15,783**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**471,446,374**
	0%	0%	0%	0%	1%	1%	1%	1%	2%	1%	2%	18%	37%	31%	5%	0%	0%	0%	0%	0%	0%	0%											

Convert to PVC (£000s)

	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030	2031	2032	2033	2034	2035	2036	2037	2038	2039	2040	2041	2042	2043	2044	2045	2046	2047	2048	2049	2050	Total
	15,506	29,725	0	80,120	2,728,678	2,436,570	2,690,132	4,809,991	4,784,941	3,371,500	4,960,681	2,671,085	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	**28,578,930**
	0	0	0	0	0	0	0	0	0	0	0	279,845	1,353,703	1,213,827	538,954	182,572	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	**3,568,901**
	0	0	0	0	0	0	0	0	0	0	0	34,692,267	91,157,387	78,124,932	10,073,843	233,588	229,134	225,378	220,479	80,889	0	0	0	0	0	0	0	0	0	0	0	0	**215,037,897**
	0	0	0	0	0	0	0	0	0	0	0	12,341,676	7,797,685	3,082,443	2,510,982	698,396	68,393	21,629	20,521	9,736	6,926	0	0	0	0	0	0	0	0	0	0	0	**26,558,386**
	15,506	**29,725**	**0**	**80,120**	**2,728,678**	**2,436,570**	**2,690,132**	**4,809,991**	**4,784,941**	**3,371,500**	**4,960,681**	**49,984,873**	**100,308,775**	**82,421,202**	**13,123,779**	**1,114,556**	**297,527**	**247,006**	**241,000**	**90,625**	**6,926**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**273,744,115**

A628 + Tunnel

Expenditure Profile	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030	2031	2032	2033	2034	2035	2036	2037	2038	2039	2040	2041	2042	2043	2044	2045	2046	2047	2048	2049	2050	Total
Preparation	22,641	37,533	0	0	0	0	0	0	0	25,792,961	18,457,359	23,417,530	68,430,267	99,944,721	48,111,021	55,819,559	50,586,764	167,477,963	0	0	0	0	0	0	0	0	0	0	0				**558,098,319**
Supervision	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	272,174	5,932,138	21,840,975	24,342,961	25,694,439	11,740,861	12,973,628	0	0	0	0	0				**102,797,176**
Construction	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	35,626,717	548,279,337	1,408,809,339	1,479,558,131	1,546,398,414	728,083,932	156,777,328	835,431	854,558	869,209	886,357	641,144				**5,907,619,897**
Land	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	5,005,759	16,507,591	5,770,456	3,295,756	2,461,854	0	0	0	0	0	0	0				**33,041,416**
Total CAPEX	**22,641**	**37,533**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**25,792,961**	**18,457,359**	**23,417,530**	**68,430,267**	**99,944,721**	**48,111,021**	**55,819,559**	**50,586,764**	**208,382,613**	**570,719,066**	**1,436,420,770**	**1,507,196,848**	**1,574,554,707**	**739,824,793**	**169,750,956**	**835,431**	**854,558**	**869,209**	**886,357**	**641,144**	**0**	**0**	**0**	**6,601,556,808**
	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	1%	2%	1%	1%	1%	3%	9%	22%	23%	24%											

Convert to PVC (£000s)

	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030	2031	2032	2033	2034	2035	2036	2037	2038	2039	2040	2041	2042	2043	2044	2045	2046	2047	2048	2049	2050	Total
	19,769	31,663	0	0	0	0	0	0	0	16,524,254	11,424,833	14,004,933	39,541,018	55,798,063	25,951,561	29,091,423	25,472,708	81,480,847	0	0	0	0	0	0	0	0	0	0	0	0	0	0	**299,341,075**
	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	132,417	2,788,488	9,919,486	10,681,942	10,893,705	4,809,457	5,134,725	0	0	0	0	0	0	0	0	**44,360,221**
	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	17,332,997	257,726,690	639,837,057	649,245,354	655,628,559	298,248,017	62,049,606	319,467	315,731	310,284	305,705	213,653	0	0	0	**2,581,533,120**
	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2,435,386	7,759,634	2,620,760	1,446,212	1,043,755	0	0	0	0	0	0	0	0	0	0	**15,305,747**
	19,769	**31,663**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**16,524,254**	**11,424,833**	**14,004,933**	**39,541,018**	**55,798,063**	**25,951,561**	**29,091,423**	**25,472,708**	**101,381,648**	**268,274,811**	**652,377,304**	**661,373,508**	**667,566,020**	**303,057,474**	**67,184,331**	**319,467**	**315,731**	**310,284**	**305,705**	**213,653**	**0**	**0**	**0**	**2,940,540,162**

Denton Bypass

Expenditure Profile	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030	2031	2032	2033	2034	2035	2036	2037	2038	2039	2040	2041	2042	2043	2044	2045	2046	2047	2048	2049	2050	Total
Preparation	17,646	35,112	0	0	0	0	0	0	0	0	0	0	0	2,390	4,743,517	4,785,844	9,296,588	2,821,850	4,173,116	9,916,834	0	0	0	0	0	0	0						**35,792,897**
Supervision	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	453,942	4,025,415	1,635,310	829,625	0	0	0	0						**6,944,291**
Construction	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	64,238,751	298,142,228	78,111,206	87,685	89,024	90,382	92,012	53,971						**440,905,260**
Land	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	9,657,495	12,751,093	4,773,303	3,179,566	1,578,354	0	0	0						**31,939,811**

Convert to PVC (£000s)

	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030	2031	2032	2033	2034	2035	2036	2037	2038	2039	2040	2041	2042	2043	2044	2045	2046	2047	2048	2049	2050	Total
	15,407	29,621	0	0	0	0	0	0	0	0	0	0	0	1,334	2,558,700	2,494,234	4,681,250	1,372,877	1,961,634	4,503,915	0	0	0	0	0	0	0	0	0	0	0	0	**17,618,973**
	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	206,166	1,766,393	693,325	339,843	0	0	0	0	0	0	0	0	0	**3,005,727**
	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	29,175,228	130,827,882	33,116,910	35,919	35,234	34,562	33,995	19,266	0	0	0	0	0	**193,278,996**
	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	4,386,132	5,595,311	2,023,744	1,302,459	624,684	0	0	0	0	0	0	0	0	**13,932,328**

Total CAPEX	17,646	35,112	0	0	0	0	0	0	0	0	0	0	0	2,390	4,743,517	4,785,844	9,296,588	2,821,850	4,173,116	84,267,022	314,918,736	84,519,820	4,096,875	1,667,378	90,382	92,012	53,971	0	0	0	0	0	515,582,259
	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	1%	1%	2%	1%	1%	16%	61%	16%											

Total CAPEX	15,407	29,621	0	0	0	0	0	0	0	0	0	0	0	1,334	2,558,700	2,494,234	4,681,250	1,372,877	1,961,634	38,271,441	138,189,586	35,833,979	1,678,220	659,918	34,562	33,995	19,266	0	0	0	0	0	227,836,024

M1 J35a to 36

Expenditure Profile	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030	2031	2032	2033	2034	2035	2036	2037	2038	2039	2040	2041	2042	2043	2044	2045	2046	2047	2048	2049	2050	Total
Preparation	18,300	36,307	0	0	0	0	0	0	0	374,374	1,873,282	806,364	0	0	0	0	0	0	0														3,108,626
Supervision	0	0	0	0	0	0	0	0	0	0	0	916,195	743,523	0	0	0	0	0	0														1,659,718
Construction	0	0	0	0	0	0	0	0	0	0	0	12,564,041	6,848,175	52,908	53,572	54,393	55,223	13,755	0														19,642,068
Land	0	0	0	0	0	0	0	0	0	0	0	0	71,520	63,034	31,382	10,406	10,354	5,151	3,837														195,684
Total CAPEX	18,300	36,307	0	0	0	0	0	0	0	374,374	1,873,282	14,286,600	7,663,218	115,943	84,954	64,799	65,577	18,906	3,837	0	0	0	0	0	0	0	0	0	0	0	0	0	24,606,096
	0%	0%	0%	0%	0%	0%	0%	0%	0%	2%	8%	58%	31%	0%	0%	0%	0%	0%	0%	0%	0%	0%											

Convert to PVC (£000s)

	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030	2031	2032	2033	2034	2035	2036	2037	2038	2039	2040	2041	2042	2043	2044	2045	2046	2047	2048	2049	2050	Total
Preparation	15,978	30,629	0	0	0	0	0	0	0	239,843	1,159,534	482,249	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1,928,232
Supervision	0	0	0	0	0	0	0	0	0	0	0	547,934	429,630	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	977,563
Construction	0	0	0	0	0	0	0	0	0	0	0	7,513,968	3,957,077	29,538	28,897	28,348	27,807	6,692	0	0	0	0	0	0	0	0	0	0	0	0	0	0	11,592,327
Land	0	0	0	0	0	0	0	0	0	0	0	0	41,326	35,191	16,928	5,423	5,214	2,506	1,804	0	0	0	0	0	0	0	0	0	0	0	0	0	108,392
Total CAPEX	15,978	30,629	0	0	0	0	0	0	0	239,843	1,159,534	8,544,150	4,428,033	64,730	45,825	33,771	33,021	9,198	1,804	0	0	0	0	0	0	0	0	0	0	0	0	0	14,606,515

M1 to M18

Expenditure Profile	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030	2031	2032	2033	2034	2035	2036	2037	2038	2039	2040	2041	2042	2043	2044	2045	2046	2047	2048	2049	2050	Total
Preparation	17,644	35,108	0	0	0	0	0	0	71,191	7,573,112	4,047,935	6,501,426	17,214,068	13,312,776	7,356,103	5,428,524	16,119,494	0	0	0	0	0	0	0	0	0	0						77,677,381
Supervision	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	20,321	1,642,802	3,584,377	3,150,713	1,047,792	1,387,920	0	0	0	0	0						10,833,924
Construction	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	20,497,270	228,234,443	386,434,938	336,562,421	78,988,933	519,552	526,048	534,078	542,230	387,084	0						1,053,226,996
Land	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	10,308,789	33,689,514	11,580,631	6,500,571	5,585,487	1,219,358	598,864	252,036	165,141	101,369	79,702						70,081,464
Total CAPEX	17,644	35,108	0	0	0	0	0	0	71,191	7,573,112	4,047,935	6,501,426	17,214,068	13,312,776	7,356,103	5,428,524	46,945,874	263,566,758	401,599,946	346,213,705	85,622,213	3,126,830	1,124,912	786,114	707,371	488,453	79,702	0	0	0	0	0	1,211,819,766
	0%	0%	0%	0%	0%	0%	0%	0%	0%	1%	0%	1%	1%	1%	1%	0%	4%	22%	33%	29%	7%	0%											

Convert to PVC (£000s)

	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030	2031	2032	2033	2034	2035	2036	2037	2038	2039	2040	2041	2042	2043	2044	2045	2046	2047	2048	2049	2050	Total
Preparation	15,405	29,618	0	0	0	0	0	0	47,205	4,851,712	2,505,612	3,888,200	9,946,794	7,432,380	3,967,955	2,829,178	8,116,890	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	43,630,949
Supervision	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	10,232	799,251	1,684,889	1,430,955	459,782	588,438	0	0	0	0	0	0	0	0	0	0	4,973,547
Construction	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	10,321,296	111,039,897	181,649,372	152,856,105	34,661,158	220,275	215,487	211,378	207,348	143,014	0	0	0	0	0	0	491,525,331
Land	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	5,190,938	16,390,515	5,443,644	2,952,356	2,450,969	516,973	245,315	99,751	63,149	37,453	28,452	0	0	0	0	0	33,419,516
Total CAPEX	15,405	29,618	0	0	0	0	0	0	47,205	4,851,712	2,505,612	3,888,200	9,946,794	7,432,380	3,967,955	2,829,178	23,639,356	128,229,663	188,777,905	157,239,416	37,571,909	1,325,686	460,803	311,130	270,497	180,467	28,452	0	0	0	0	0	573,549,343

M18 J1a to 2

Expenditure Profile	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030	2031	2032	2033	2034	2035	2036	2037	2038	2039	2040	2041	2042	2043	2044	2045	2046	2047	2048	2049	2050	Total
Preparation	17,942	35,597	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1,786,448	2,413,852	600,122	0	0	0	0	0	0	0					4,853,960
Supervision	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2,984,007	331,802	0	0	0	0	0	0					3,315,809
Construction	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	42,349,917	1,504,140	118,589	120,400	122,237	124,442	10,213	0					44,349,938
Land	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	102,188	51,034	28,326	11,347	9,916	5,673	2,821					211,306
Total CAPEX	17,942	35,597	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1,786,448	2,413,852	45,934,046	1,938,130	169,624	148,726	133,585	134,358	15,886	2,821	0	0	0	0	52,731,013
	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	3%	5%	87%	4%											

Convert to PVC (£000s)

	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030	2031	2032	2033	2034	2035	2036	2037	2038	2039	2040	2041	2042	2043	2044	2045	2046	2047	2048	2049	2050	Total
Preparation	15,666	30,030	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	839,746	1,096,296	263,340	0	0	0	0	0	0	0	0	0	0	0	2,245,077
Supervision	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1,309,413	140,674	0	0	0	0	0	0	0	0	0	0	1,450,088
Construction	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	18,583,580	637,712	48,578	47,652	46,743	45,977	3,646	0	0	0	0	0	19,413,888
Land	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	43,325	20,905	11,211	4,339	3,664	2,025	973	0	0	0	0	86,442
Total CAPEX	15,666	30,030	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	839,746	1,096,296	20,156,333	821,711	69,484	58,863	51,082	49,641	5,671	973	0	0	0	0	23,195,495

M60 J24 to 25

Expenditure Profile	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030	2031	2032	2033	2034	2035	2036	2037	2038	2039	2040	2041	2042	2043	2044	2045	2046	2047	2048	2049	2050	Total
Preparation	18,240	36,189	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	110,129	3,104,551	2,231,997	0	0	0	0	0	0	0				5,501,107
Supervision	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1,936,175	570,448	0	0	0	0	0	0				2,506,623
Construction	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	24,657,614	5,026,365	107,162	108,798	110,760	112,145	18,488	0				30,141,333
Land	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	73,188	36,501	20,232	8,093	7,063	4,035	1,005				150,118
Total CAPEX	18,240	36,189	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	110,129	3,104,551	28,825,787	5,670,001	143,664	129,030	118,853	119,208	22,524	1,005	0	0	0	38,299,182
	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	8%	75%											

Convert to PVC (£000s)

	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030	2031	2032	2033	2034	2035	2036	2037	2038	2039	2040	2041	2042	2043	2044	2045	2046	2047	2048	2049	2050	Total
Preparation	15,926	30,530	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	50,017	1,362,309	946,303	0	0	0	0	0	0	0	0	0	0	2,405,085
Supervision	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	820,883	233,675	0	0	0	0	0	0	0	0	0	1,054,558
Construction	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	10,454,121	2,058,970	42,413	41,604	40,922	40,033	6,377	0	0	0	0	12,684,440
Land	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	29,980	14,447	7,737	2,990	2,521	1,392	335	0	0	0	59,402
Total CAPEX	15,926	30,530	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	50,017	1,362,309	12,221,307	2,322,626	56,859	49,341	43,912	42,554	7,768	335	0	0	0	16,203,485

A628 Mottram

Expenditure Profile	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030	2031	2032	2033	2034	2035	2036	2037	2038	2039	2040	2041	2042	2043	2044	2045	2046	2047	2048	2049	2050	Total
Preparation	17,688	35,196	0	0	0	0	0	0	0	0	0	0	9,284,605	6,628,977	9,006,822	14,613,927	12,407,543	10,518,809	9,341,512	0	0	0	0	0	0	0	0	0	0				71,855,079
Supervision	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	184,945	3,169,737	4,027,997	3,434,394	1,877,977	1,974,133	0	0	0	0	0				14,669,181
Construction	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	34,955,069	112,628,509	132,970,171	110,154,778	19,824,239	118,982	120,798	122,976	124,514	73,582	0				411,093,619
Land	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	774,210	1,012,373	372,911	244,261	119,849	0	0	0	0	0	1,005				2,524,609
Total CAPEX	17,688	35,196	0	0	0	0	0	0	0	0	0	0	9,284,605	6,628,977	9,006,822	14,613,927	12,407,543	10,518,809	45,255,736	116,810,619	137,371,079	113,833,433	21,822,065	2,093,115	120,798	122,976	124,514	73,582	1,005	0	0	0	500,142,489
	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	2%	1%	2%	3%	2%	2%	9%	23%	27%	23%											

Convert to PVC (£000s)

	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030	2031	2032	2033	2034	2035	2036	2037	2038	2039	2040	2041	2042	2043	2044	2045	2046	2047	2048	2049	2050	Total
Preparation	15,444	29,692	0	0	0	0	0	0	0	0	0	0	5,364,918	3,700,887	4,858,369	7,616,325	6,247,755	5,117,577	4,391,114	0	0	0	0	0	0	0	0	0	0	0	0	0	37,342,081
Supervision	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	86,936	1,439,595	1,767,526	1,456,084	769,283	781,326	0	0	0	0	0	0	0	0	6,300,751
Construction	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	16,431,140	51,152,340	58,348,681	46,702,466	8,120,685	47,091	46,193	45,436	44,448	25,378	0	0	0	0	180,963,857
Land	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	363,929	459,788	163,637	103,560	49,094	0	0	0	0	0	335	0	0	0	1,140,343
Total CAPEX	15,444	29,692	0	0	0	0	0	0	0	0	0	0	5,364,918	3,700,887	4,858,369	7,616,325	6,247,755	5,117,577	21,273,118	53,051,723	60,279,845	48,262,110	8,939,062	828,417	46,193	45,436	44,448	25,378	335	0	0	0	225,747,032

Hollingworth to Tintwistle Bypass

Expenditure Profile	2018	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030	2031	2032	2033	2034	2035	2036	2037	2038	2039	2040	2041	2042	2043	2044	2045	2046	2047	2048	2049	Total
Preparation	10,547	21,666	9,615	2,192,699	1,784,546	2,948,529	5,129,595	10,624,425	6,850,354	0	0	0	0	0	0	0	0	0	0														29,571,976
Supervision	0	0	0	0	0	0	0	0	96,761	1,653,570	2,102,314	1,777,852	710,825	88,551	0	0	0	0	0														6,429,874
Construction	0	0	0	0	0	0	0	0	28,195,831	88,079,104	102,908,356	83,443,493	14,932,672	0	0	0	0	0	0														317,559,456
Land	0	0	0	0	0	3,205,255	4,211,965	2,087,884	11,027,075	13,145,989	4,888,627	3,234,196	2,738,846	1,753,656	870,784	370,187	245,554	152,269	121,153														48,053,438
Total CAPEX	10,547	21,666	9,615	2,192,699	1,784,546	6,153,784	9,341,560	12,712,309	46,170,021	102,878,663	109,899,297	88,455,540	18,382,344	1,842,207	870,784	370,187	245,554	152,269	121,153	0	0	0	0	0	0	0	0	0	0	0	0	0	401,614,744
	0%	0%	0%	1%	0%	2%	2%	3%	11%	26%	27%	22%	5%	0%	0%	0%	0%	0%	0%	0%	0%	0%											

Convert to PVC (£000s)

	2018	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030	2031	2032	2033	2034	2035	2036	2037	2038	2039	2040	2041	2042	2043	2044	2045	2046	2047	2048	2049	Total
Preparation	9,531	18,917	8,111	1,787,237	1,405,370	2,243,509	3,771,075	7,546,528	4,701,261	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	21,491,539
Supervision	0	0	0	0	0	0	0	0	66,405	1,096,437	1,346,847	1,100,464	425,111	51,168	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	4,086,432
Construction	0	0	0	0	0	0	0	0	19,350,236	58,402,832	65,928,213	51,650,293	8,930,535	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	204,262,109
Land	0	0	0	0	0	2,438,849	3,096,469	1,483,023	7,567,661	8,716,744	3,131,897	2,001,920	1,637,976	1,013,314	486,149	199,682	127,975	76,674	58,943	0	0	0	0	0	0	0	0	0	0	0	0	0	32,037,278
Total CAPEX	9,531	18,917	8,111	1,787,237	1,405,370	4,682,358	6,867,544	9,029,551	31,685,564	68,216,012	70,406,958	54,752,677	10,993,623	1,064,481	486,149	199,682	127,975	76,674	58,943	0	0	0	0	0	0	0	0	0	0	0	0	0	261,877,359

M60 J24 to 25 (2037)

Expenditure Profile	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030	2031	2032	2033	2034
Preparation	18,240	36,189	0	0	0	0	0	0	0	0	0	0	0	0	0	110,129
Supervision	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Construction	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Land	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Total CAPEX	**18,240**	**36,189**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**110,129**
	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%

Expenditure Profile	2035	2036	2037	2038	2039	2040	2041	2042	2043	2044	2045	2046	2047	2048	2049	2050	Total
Preparation	3,104,551	2,231,997	0	0	0	0	0	0	0				0				**5,501,107**
Supervision	0	1,936,175	570,448	0	0	0	0	0	0				0				**2,506,623**
Construction	0	24,657,614	5,026,365	107,162	108,798	110,760	112,145	18,488	0				0				**30,141,333**
Land	0	0	73,188	36,501	20,232	8,093	7,063	4,035	1,005				1,005				**151,123**
Total CAPEX	**3,104,551**	**28,825,787**	**5,670,001**	**143,664**	**129,030**	**118,853**	**119,208**	**22,524**	**1,005**	**0**	**0**	**0**	**1,005**	**0**	**0**	**0**	**38,300,187**
	8%	75%	15%	0%	0%	0%											

Convert to PVC (£000s)

	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030	2031	2032	2033	2034
Preparation	15,926	30,530	0	0	0	0	0	0	0	0	0	0	0	0	0	57,396
Supervision	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Construction	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Land	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Total CAPEX	**15,926**	**30,530**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**57,396**

	2035	2036	2037	2038	2039	2040	2041	2042	2043	2044	2045	2046	2047	2048	2049	2050	Total
Preparation	1,563,281	1,085,904	0	0	0	0	0	0	0	0	0	0	0	0	0	0	**2,753,037**
Supervision	0	941,982	268,148	0	0	0	0	0	0	0	0	0	0	0	0	0	**1,210,129**
Construction	0	11,996,344	2,362,716	48,670	47,742	46,959	45,938	7,317	0	0	0	0	0	0	0	0	**14,555,687**
Land	0	0	34,403	16,578	8,878	3,431	2,893	1,597	384	0	0	0	335	0	0	0	**68,500**
Total CAPEX	**1,563,281**	**14,024,230**	**2,665,267**	**65,248**	**56,620**	**50,390**	**48,832**	**8,914**	**384**	**0**	**0**	**0**	**335**	**0**	**0**	**0**	**18,587,353**

CAPEX Summary - from EO Most Likely Costs (£000s) (Factor prices only)

	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	2			
Optimised pacakge	**M67, M60 to A57**	**M60 J24 to 25**	**M18 J1a to 2**	**M1 J35a to 36**	**A6 to M60**	**M1 to M18**	**A628 + Tunnel**	**A616 dualling to M1**	**Denton Bypass**	**A628 Mottram**	**M60 J24 to 25 (2037)**	**Hollingworth to Tintwistle Bypass**	**Total**
Preparation	9,930	12,506	10,689	5,745	82,980	154,564	767,546	73,154	71,394	149,081	12,506	68,503	**1,418,599**
Supervision	4,101	6,348	7,827	3,531	20,766	34,349	157,651	16,447	18,591	37,220	6,348	11,765	**324,943**
Construction	100,779	72,103	95,815	37,869	1,340,139	2,843,024	8,631,012	922,545	1,082,692	1,335,647	72,103	726,973	**17,260,699**
Land	302	285	386	372	132,685	132,994	45,949	87,661	53,842	4,783	293	99,484	**559,036**
Total CAPEX	**115,111**	**91,242**	**114,716**	**47,517**	**1,576,571**	**3,164,931**	**9,602,158**	**1,099,807**	**1,226,519**	**1,526,730**	**91,250**	**906,725**	**19,563,277**

Converted to PVC - CAPEX (£000s)

Scheme	**M67, M60 to A57**	**M60 J24 to 25**	**M18 J1a to 2**	**M1 J35a to 36**	**A6 to M60**	**M1 to M18**	**A628 + Tunnel**	**A616 dualling to M1**	**Denton Bypass**	**A628 Mottram**	**M60 J24 to 25 (2037)**	**Hollingworth to Tintwistle Bypass**	**Total**
Preparation	7,194	5,442	4,921	3,554	46,752	86,259	410,860	48,560	35,000	77,177	6,236	49,640	**781,594**
Supervision	2,677	2,643	3,409	2,064	10,190	15,306	67,634	9,095	7,981	15,689	3,033	7,385	**147,104**
Construction	66,468	30,081	41,813	22,195	661,539	1,289,952	3,759,255	518,421	470,963	578,811	34,519	464,498	**7,938,515**
Land	177	111	158	204	66,234	63,303	21,285	50,689	23,490	2,161	130	66,070	**294,012**
Total CAPEX PVC (converted to market prices and values)													
TPTS Only	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	0	0	0	**#REF!**
Optimised Pacakge	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	673,837	0	0	**#REF!**
All Schemes	76,516	38,277	50,301	28,017	784,714	1,454,820	4,259,033	626,765	537,435	673,837	43,917	587,593	**9,161,225**

OPEX (£000s)

Scheme	**M67, M60 to A57**	**M60 J24 to 25**	**M60 J1a to 2**	**M1 J35a to 36**	**A6 to M60**	**M1 to M18**	**A628 + Tunnel**	**A616 dualling to M1**	**Denton Bypass**	**A628 Mottram**	**M60 J24 to 25 (2037)**	**Hollingworth to Tintwistle Bypass**	**Total**
OPEX 2010 Cost	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	**#REF!**
Single Year cost 2010	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	**#REF!**
Discounted to 2010	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	**#REF!**
Total OPEX PVC (converted to market prices and values)													
TPTS Only	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	0	0	0	**#REF!**
Optimised Pacakge	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	0	0	**#REF!**
All Schemes	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	**#REF!**

Appraisal Summary	**TPTS Only**	**Optimised Package**	**Low Growth**	**Trans-formational**
Present Value of Cost (£m)				
CAPEX P97.5	0.00	673.84	673.84	673.84
OPEX	0.00	#REF!	#REF!	#REF!
Total PVC P97.5	**0.00**	**#REF!**	**#REF!**	**#REF!**
Level 1 PVB (£m)				
User Benefits	2,213.45	4,429.84	4,317.13	4,647.78
Indirect Tax Revenue	187.11	138.05	95.91	100.63

Greenhouse Gas	-98.82	-255.44	-59.92	-59.09	
Accident	0.00	119.86	119.86	119.86	*use values from NTEM Core
Construction	-28.18	-27.34	-27.34	-27.34	*use values from NTEM Core
Total	**2,273.55**	**4,404.96**	**4,445.64**	**4,781.84**	
Initial BCR	**#DIV/0!**	**#REF!**	**#REF!**	**#REF!**	
Level 2 PVB (£m)					
Reliability	110.36	441.21	423.80	457.12	
Wider Impacts - Static Clusteri	0.00	2,684.18	2,684.18	3,045.59	*Low Growth uses NTEM Core
Total	**2,383.91**	**7,530.35**	**7,553.63**	**8,284.55**	
Adjusted BCR	**#DIV/0!**	**#REF!**	**#REF!**	**#REF!**	

Costs obtained from EO - Most Likely Cost

A6 to M60

Expenditure Profile	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030	2031	2032	2033	2034	2035	2036	2037	2038	2039	2040	2041	2042	2043	2044	2045	2046	2047	2048	2049	2050	Total
Preparation	23,295	46,596	0	0	0	0	0	0	0	24,060	9,803,751	6,693,933	17,553,205	19,293,493	16,149,309	13,392,474	0	0	0	0	0	0	0	0	0								82,980,117
Supervision	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	358,151	7,998,666	8,915,312	3,195,176	299,106	0	0	0	0	0								20,766,411
Construction	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	76,911,048	542,053,250	582,359,285	137,188,039	327,903	339,325	352,100	363,377	244,816	0								1,340,139,142
Land	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	39,472,354	51,573,949	18,971,982	13,448,351	7,666,944	777,101	326,655	213,716	131,024	102,867								132,684,943
Total CAPEX	**23,295**	**46,596**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**24,060**	**9,803,751**	**6,693,933**	**17,553,205**	**19,293,493**	**16,149,309**	**130,134,027**	**601,625,865**	**610,246,578**	**153,831,566**	**8,293,953**	**1,116,426**	**678,756**	**577,092**	**375,840**	**102,867**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**1,576,570,613**
	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	1%	0%	1%	1%	1%	8%	38%	39%	10%	1%	0%	0%											

Convert to PVC (£000s)

2019	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030	2031	2032	2033	2034	2035	2036	2037	2038	2039	2040	2041	2042	2043	2044	2045	2046	2047	2048	2049	2050	Total
20,340	39,309	0	0	0	0	0	0	0	15,414	6,068,377	4,003,329	10,142,758	10,771,350	8,711,097	6,979,742	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	46,751,717
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	186,657	4,027,688	4,337,449	1,501,939	135,844	0	0	0	0	0	0	0	0	0	0	0	0	10,189,578
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	40,083,653	272,948,159	283,327,592	64,487,236	148,923	148,899	149,280	148,851	96,894	0	0	0	0	0	0	0	0	661,539,488
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	20,571,767	25,969,800	9,230,188	6,321,593	3,482,086	341,000	138,492	87,545	51,857	39,336	0	0	0	0	0	0	0	66,233,665
20,340	**39,309**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**15,414**	**6,068,377**	**4,003,329**	**10,142,758**	**10,771,350**	**8,711,097**	**67,821,820**	**302,945,647**	**296,895,229**	**72,310,769**	**3,766,854**	**489,899**	**287,773**	**236,397**	**148,751**	**39,336**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**784,714,448**

M67, M60 to A57

Expenditure Profile	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030	2031	2032	2033	2034	2035	2036	2037	2038	2039	2040	2041	2042	2043	2044	2045	2046	2047	2048	2049	2050	Total
Preparation	23,975	47,878	13,837	1,067,381	1,495,381	2,014,421	1,968,654	3,298,289	0	0	0	0	0	0	0	0	0	0															9,929,816
Supervision	0	0	0	0	0	0	0	259,120	1,969,801	1,594,362	270,612	6,717	0	0	0	0	0	0															4,100,611
Construction	0	0	0	0	0	0	0	18,863,202	47,999,231	33,004,268	651,194	60,790	62,872	65,227	67,319	4,859	0	0															100,778,961
Land	0	0	0	0	0	0	0	0	0	0	73,607	113,401	56,502	24,095	16,042	9,978	7,967	0															301,591
Total CAPEX	**23,975**	**47,878**	**13,837**	**1,067,381**	**1,495,381**	**2,014,421**	**1,968,654**	**22,420,611**	**49,969,031**	**34,598,629**	**995,413**	**180,909**	**119,374**	**89,322**	**83,361**	**14,837**	**7,967**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**115,110,980**
	0%	0%	0%	1%	1%	2%	2%	19%	43%	30%	1%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%											

Convert to PVC (£000s)

2019	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030	2031	2032	2033	2034	2035	2036	2037	2038	2039	2040	2041	2042	2043	2044	2045	2046	2047	2048	2049	2050	Total
20,933	40,391	11,278	840,586	1,137,822	1,480,922	1,398,335	2,263,550	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	7,193,818
0	0	0	0	0	0	0	177,829	1,306,121	1,021,427	167,505	4,017	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2,676,899
0	0	0	0	0	0	0	12,945,439	31,826,970	21,144,176	403,080	36,356	36,329	36,416	36,312	2,532	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	66,467,609
0	0	0	0	0	0	0	0	0	0	45,562	67,820	32,649	13,452	8,653	5,200	4,012	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	177,347
20,933	**40,391**	**11,278**	**840,586**	**1,137,822**	**1,480,922**	**1,398,335**	**15,386,817**	**33,133,090**	**22,165,603**	**616,146**	**108,193**	**68,978**	**49,867**	**44,966**	**7,732**	**4,012**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**76,515,672**

A616 dualling to M1

Expenditure Profile	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030	2031	2032	2033	2034	2035	2036	2037	2038	2039	2040	2041	2042	2043	2044	2045	2046	2047	2048	2049	2050	Total
Preparation	23,430	46,791	0	150,888	5,385,703	5,071,636	5,913,405	11,547,237	12,107,444	9,617,167	14,898,904	8,391,648	0	0	0	0	0	0	0	0	0	0											73,154,255
Supervision	0	0	0	0	0	0	0	0	0	0	0	736,491	3,683,210	5,377,130	3,986,579	1,872,916	790,418	0	0	0	0	0											16,446,745
Construction	0	0	0	0	0	0	0	0	0	0	0	110,788,378	237,243,008	316,347,705	223,763,580	30,884,880	752,733	781,073	806,088	834,167	343,116	0											922,544,728
Land	0	0	0	0	0	0	0	0	0	0	0	39,453,282	25,780,461	10,536,558	8,269,129	2,618,709	516,613	253,396	82,852	81,273	39,865	29,323											87,661,462
Total CAPEX	**23,430**	**46,791**	**0**	**150,888**	**5,385,703**	**5,071,636**	**5,913,405**	**11,547,237**	**12,107,444**	**9,617,167**	**14,898,904**	**159,369,800**	**266,706,679**	**332,261,394**	**236,019,288**	**35,376,506**	**2,059,764**	**1,034,469**	**888,939**	**915,440**	**382,981**	**29,323**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**1,099,807,189**
	0%	0%	0%	0%	0%	0%	1%	1%	1%	1%	1%	14%	24%	30%	21%	3%	0%	0%	0%	0%	0%	0%											

Convert to PVC (£000s)

2019	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030	2031	2032	2033	2034	2035	2036	2037	2038	2039	2040	2041	2042	2043	2044	2045	2046	2047	2048	2049	2050	Total
20,458	39,474	0	118,828	4,097,933	3,728,466	4,200,291	7,924,638	8,028,113	6,161,236	9,222,202	5,018,654	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	48,560,292
0	0	0	0	0	0	0	0	0	0	0	440,461	2,128,267	3,001,994	2,150,400	976,106	398,011	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	9,095,239
0	0	0	0	0	0	0	0	0	0	0	66,257,367	137,085,979	176,613,523	120,700,291	16,096,242	379,035	380,005	378,913	378,852	150,563	0	0	0	0	0	0	0	0	0	0	0	518,420,770
0	0	0	0	0	0	0	0	0	0	0	23,595,170	14,896,708	5,882,447	4,460,450	1,364,790	260,138	123,281	38,946	36,912	17,493	12,432	0	0	0	0	0	0	0	0	0	0	50,688,767
20,458	**39,474**	**0**	**118,828**	**4,097,933**	**3,728,466**	**4,200,291**	**7,924,638**	**8,028,113**	**6,161,236**	**9,222,202**	**95,311,651**	**154,110,954**	**185,497,964**	**127,311,141**	**18,437,138**	**1,037,184**	**503,286**	**417,859**	**415,764**	**168,056**	**12,432**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**626,765,068**

A628 + Tunnel

Expenditure Profile	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030	2031	2032	2033	2034	2035	2036	2037	2038	2039	2040	2041	2042	2043	2044	2045	2046	2047	2048	2049	2050	Total
Preparation	26,199	43,652	0	0	0	0	0	0	0	33,917,756	24,490,529	31,325,498	91,310,836	134,941,967	65,722,608	78,589,285	71,731,287	235,446,237	0	0	0	0	0	0	0	0	0	0	0				767,545,854
Supervision	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	391,544	8,281,460	31,305,386	36,165,587	39,211,097	21,868,697	5,115,561	15,312,056	0	0	0	0				157,651,389
Construction	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	51,428,567	762,530,372	1,931,763,215	2,078,993,971	2,213,358,007	1,264,453,931	323,132,314	1,078,724	1,119,336	857,878	1,195,424	1,100,715				8,631,012,455
Land	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	6,961,669	22,956,860	8,024,393	4,582,789	3,423,063	0	0	0	0	0	0	0				45,948,774
Total CAPEX	**26,199**	**43,652**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**33,917,756**	**24,490,529**	**31,325,498**	**91,310,836**	**134,941,967**	**65,722,608**	**78,589,285**	**71,731,287**	**294,228,017**	**793,768,693**	**1,971,092,994**	**2,119,742,347**	**2,255,992,168**	**1,286,322,628**	**328,247,875**	**16,390,780**	**1,119,336**	**857,878**	**1,195,424**	**1,100,715**	**0**	**0**	**0**	**9,602,158,471**
	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	1%	1%	1%	1%	1%	3%	8%	21%	22%	23%											

Convert to PVC (£000s)

2019	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030	2031	2032	2033	2034	2035	2036	2037	2038	2039	2040	2041	2042	2043	2044	2045	2046	2047	2048	2049	2050	Total
22,875	36,825	0	0	0	0	0	0	0	21,729,402	15,159,277	18,734,321	52,762,083	75,336,650	35,451,426	40,958,298	36,119,925	114,548,556	0	0	0	0	0	0	0	0	0	0	0	0	0	0	410,859,639
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	190,493	3,892,821	14,217,925	15,869,832	16,624,380	8,958,164	2,024,646	5,855,297	0	0	0	0	0	0	0	67,633,559
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	25,020,863	358,438,510	877,346,321	912,283,977	938,400,291	517,963,466	127,889,874	412,502	413,557	306,239	412,303	366,800	0	0	0	3,759,254,703
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	3,386,969	10,791,207	3,644,428	2,010,975	1,451,281	0	0	0	0	0	0	0	0	0	0	21,284,859
22,875	**36,825**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**21,729,402**	**15,159,277**	**18,734,321**	**52,762,083**	**75,336,650**	**35,451,426**	**40,958,298**	**36,119,925**	**143,146,881**	**373,122,538**	**895,208,674**	**930,164,785**	**956,475,952**	**526,921,631**	**129,914,519**	**6,267,799**	**413,557**	**306,239**	**412,303**	**366,800**	**0**	**0**	**0**	**4,259,032,759**

Denton Bypass

Expenditure Profile	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030	2031	2032	2033	2034	2035	2036	2037	2038	2039	2040	2041	2042	2043	2044	2045	2046	2047	2048	2049	2050	Total
Preparation	23,269	46,544	0	0	0	0	0	0	0	0	0	0	0	4,227	8,488,016	8,714,876	18,375,710	5,892,006	8,919,327	20,930,152	0	0	0	0	0	0	0	0					71,394,125
Supervision	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	721,341	8,513,481	6,006,651	3,279,799	70,006	0	0	0	0					18,591,278
Construction	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	125,870,479	560,409,720	386,057,401	9,270,825	270,021	279,427	289,947	222,220	21,596					1,082,691,637
Land	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	16,351,555	21,526,346	8,019,366	5,315,257	2,629,523	0	0	0	0					53,842,047

Convert to PVC (£000s)

2019	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030	2031	2032	2033	2034	2035	2036	2037	2038	2039	2040	2041	2042	2043	2044	2045	2046	2047	2048	2049	2050	Total
20,317	39,265	0	0	0	0	0	0	0	0	0	0	0	2,360	4,578,520	4,541,923	9,252,995	2,866,560	4,192,660	9,505,819	0	0	0	0	0	0	0	0	0	0	0	0	35,000,418
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	327,611	3,735,803	2,546,648	1,343,518	27,707	0	0	0	0	0	0	0	0	7,981,286
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	57,166,427	245,913,560	163,677,262	3,797,646	106,869	106,852	107,126	79,326	7,449	0	0	0	0	470,962,518
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	7,426,364	9,445,983	3,399,981	2,177,311	1,040,717	0	0	0	0	0	0	0	0	23,490,355

Total CAPEX	**23,269**	**46,544**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**4,227**	**8,488,016**	**8,714,876**	**18,375,710**	**5,892,006**	**8,919,327**	**163,873,527**	**590,449,547**	**400,083,419**	**17,865,881**	**2,969,550**	**279,427**	**289,947**	**222,220**	**21,596**	**0**	**0**	**0**	**0**	**1,226,519,088**
	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	1%	1%	1%	0%	1%	13%	48%	33%										

20,317	**39,265**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**2,360**	**4,578,520**	**4,541,923**	**9,252,995**	**2,866,560**	**4,192,660**	**74,426,221**	**259,095,345**	**169,623,891**	**7,318,474**	**1,175,294**	**106,852**	**107,126**	**79,326**	**7,449**	**0**	**0**	**0**	**0**	**537,434,577**

M1 J35a to 36

Expenditure Profile	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030	2031	2032	2033	2034	2035	2036	2037	2038	2039	2040	2041	2042	2043	2044	2045	2046	2047	2048	2049	2050	Total
Preparation	24,264	48,455	0	0	0	0	0	0	0	654,316	3,437,499	1,580,228	0	0	0	0	0	0	0														**5,744,763**
Supervision	0	0	0	0	0	0	0	0	0	0	0	1,178,035	2,352,822	0	0	0	0	0	0														**3,530,857**
Construction	0	0	0	0	0	0	0	0	0	0	0	17,180,370	20,049,318	131,303	135,513	140,242	145,127	86,667	0														**37,868,540**
Land	0	0	0	0	0	0	0	0	0	0	0	0	91,111	140,182	69,710	29,674	19,715	12,241	9,754														**372,387**
Total CAPEX	**24,264**	**48,455**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**654,316**	**3,437,499**	**19,938,634**	**22,493,250**	**271,485**	**205,223**	**169,916**	**164,842**	**98,908**	**9,754**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**47,516,547**
	0%	0%	0%	0%	0%	0%	0%	0%	0%	1%	7%	42%	47%	1%	0%	0%	0%	0%	0%	0%	0%	0%											

Convert to PVC (£000s)

2019	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030	2031	2032	2033	2034	2035	2036	2037	2038	2039	2040	2041	2042	2043	2044	2045	2046	2047	2048	2049	2050	Total
21,186	40,878	0	0	0	0	0	0	0	419,188	2,127,761	945,061	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	**3,554,073**
0	0	0	0	0	0	0	0	0	0	0	704,528	1,359,529	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	**2,064,057**
0	0	0	0	0	0	0	0	0	0	0	10,274,779	11,585,085	73,305	73,097	73,090	73,078	42,165	0	0	0	0	0	0	0	0	0	0	0	0	0	0	**22,194,599**
0	0	0	0	0	0	0	0	0	0	0	0	52,646	78,262	37,602	15,465	9,927	5,956	4,585	0	0	0	0	0	0	0	0	0	0	0	0	0	**204,444**
21,186	**40,878**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**419,188**	**2,127,761**	**11,924,368**	**12,997,261**	**151,567**	**110,699**	**88,555**	**83,005**	**48,121**	**4,585**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**28,017,173**

M1 to M18

Expenditure Profile	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030	2031	2032	2033	2034	2035	2036	2037	2038	2039	2040	2041	2042	2043	2044	2045	2046	2047	2048	2049	2050	Total
Preparation	23,269	46,543	0	0	0	0	0	0	123,919	13,364,295	7,286,413	11,888,247	32,509,750	25,474,041	15,867,120	11,866,801	36,113,959	0	0	0	0	0	0	0	0	0	0	0	0				**154,564,358**
Supervision	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	43,304	1,972,409	7,779,096	7,639,856	8,172,920	3,605,028	3,623,915	1,512,204	0	0	0	0	0				**34,348,732**
Construction	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	36,628,326	316,497,408	689,163,691	687,136,558	710,276,618	331,812,553	67,384,879	941,581	974,380	1,011,064	774,896	421,561	0				**2,843,023,515**
Land	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	19,630,358	64,115,044	22,014,906	12,343,287	9,079,481	0	2,185,461	1,904,948	934,675	305,704	224,902	147,188	108,296				**132,994,250**
Total CAPEX	**23,269**	**46,543**	**0**	**0**	**0**	**0**	**0**	**0**	**123,919**	**13,364,295**	**7,286,413**	**11,888,247**	**32,509,750**	**25,474,041**	**15,867,120**	**11,866,801**	**92,415,946**	**382,584,861**	**718,957,693**	**707,119,702**	**727,529,020**	**335,417,580**	**73,194,255**	**4,358,733**	**1,909,055**	**1,316,767**	**999,798**	**568,749**	**108,296**	**0**	**0**	**0**	**3,164,930,855**
	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	1%	1%	1%	0%	3%	12%	23%	22%	23%	11%											

Convert to PVC (£000s)

2019	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030	2031	2032	2033	2034	2035	2036	2037	2038	2039	2040	2041	2042	2043	2044	2045	2046	2047	2048	2049	2050	Total
20,317	39,264	0	0	0	0	0	0	82,167	8,561,832	4,510,182	7,109,807	18,785,089	14,221,883	8,558,882	6,184,609	18,185,000	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	**86,259,033**
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	21,805	959,610	3,656,677	3,469,783	3,586,362	1,528,428	1,484,479	598,503	0	0	0	0	0	0	0	0	**15,305,648**
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	18,444,007	153,981,315	323,951,433	312,075,893	311,676,699	140,679,002	27,603,145	372,661	372,601	373,554	276,617	145,397	0	0	0	0	**1,289,952,324**
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	9,884,767	31,193,048	10,348,427	5,605,934	3,984,170	0	895,239	753,944	357,418	112,947	80,284	50,765	36,088	0	0	0	**63,303,032**
20,317	**39,264**	**0**	**0**	**0**	**0**	**0**	**0**	**82,167**	**8,561,832**	**4,510,182**	**7,109,807**	**18,785,089**	**14,221,883**	**8,558,882**	**6,184,609**	**46,535,580**	**186,133,973**	**337,956,538**	**321,151,611**	**319,247,231**	**142,207,431**	**29,982,864**	**1,725,107**	**730,019**	**486,501**	**356,900**	**196,162**	**36,088**	**0**	**0**	**0**	**1,454,820,037**

M18 J1a to 2

Expenditure Profile	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030	2031	2032	2033	2034	2035	2036	2037	2038	2039	2040	2041	2042	2043	2044	2045	2046	2047	2048	2049	2050	Total
Preparation	23,636	47,202	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	3,777,211	5,449,545	1,391,192	0	0	0	0	0	0	0					**10,688,786**
Supervision	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	6,101,810	1,724,897	0	0	0	0	0	0					**7,826,707**
Construction	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	82,779,410	12,012,090	227,977	235,918	244,136	253,327	62,134	0					**95,814,991**
Land	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	187,787	93,758	52,025	20,835	18,203	7,787	5,176					**385,572**
Total CAPEX	**23,636**	**47,202**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**3,777,211**	**5,449,545**	**90,272,412**	**13,924,775**	**321,735**	**287,943**	**264,971**	**271,530**	**69,921**	**5,176**	**0**	**0**	**0**	**0**	**114,716,057**
	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	3%	5%	79%	12%											

Convert to PVC (£000s)

2019	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030	2031	2032	2033	2034	2035	2036	2037	2038	2039	2040	2041	2042	2043	2044	2045	2046	2047	2048	2049	2050	Total
20,638	39,820	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1,775,533	2,475,012	610,469	0	0	0	0	0	0	0	0	0	0	0	**4,921,473**
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2,677,537	731,307	0	0	0	0	0	0	0	0	0	0	**3,408,844**
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	36,324,458	5,092,782	93,387	93,372	93,357	93,596	22,180	0	0	0	0	0	**41,813,132**
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	79,616	38,406	20,591	7,967	6,725	2,780	1,785	0	0	0	0	**157,871**
20,638	**39,820**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**1,775,533**	**2,475,012**	**39,612,465**	**5,903,705**	**131,793**	**113,963**	**101,324**	**100,321**	**24,960**	**1,785**	**0**	**0**	**0**	**0**	**50,301,320**

M60 J24 to 25

Expenditure Profile	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030	2031	2032	2033	2034	2035	2036	2037	2038	2039	2040	2041	2042	2043	2044	2045	2046	2047	2048	2049	2050	Total
Preparation	24,193	48,315	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	233,737	6,830,364	5,369,768	0	0	0	0	0	0	0				**12,506,377**
Supervision	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2,957,384	3,390,483	0	0	0	0	0	0				**6,347,867**
Construction	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	40,901,082	30,110,308	237,639	245,916	255,175	195,570	156,976	0				**72,102,665**
Land	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	70,392	108,596	54,219	23,163	11,563	9,630	7,705				**285,267**
Total CAPEX	**24,193**	**48,315**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**233,737**	**6,830,364**	**49,228,233**	**33,571,182**	**346,235**	**300,135**	**278,338**	**207,133**	**166,606**	**7,705**	**0**	**0**	**0**	**91,242,176**
	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	7%	54%											

Convert to PVC (£000s)

2019	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030	2031	2032	2033	2034	2035	2036	2037	2038	2039	2040	2041	2042	2043	2044	2045	2046	2047	2048	2049	2050	Total
21,124	40,759	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	106,156	2,997,234	2,276,628	0	0	0	0	0	0	0	0	0	0	**5,441,901**
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1,253,846	1,388,857	0	0	0	0	0	0	0	0	0	**2,642,703**
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	17,340,885	12,334,209	94,053	94,038	94,279	69,813	54,141	0	0	0	0	**30,081,418**
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	28,835	42,980	20,733	8,558	4,128	3,322	2,568	0	0	0	**111,123**
21,124	**40,759**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**106,156**	**2,997,234**	**20,871,359**	**13,751,901**	**137,033**	**114,771**	**102,837**	**73,941**	**57,463**	**2,568**	**0**	**0**	**0**	**38,277,145**

A628 Mottram

Expenditure Profile	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030	2031	2032	2033	2034	2035	2036	2037	2038	2039	2040	2041	2042	2043	2044	2045	2046	2047	2048	2049	2050	Total
Preparation	23,329	46,664	0	0	0	0	0	0	0	0	0	0	17,410,495	12,682,252	18,024,425	30,208,365	26,991,879	23,080,859	20,612,687	0	0	0	0	0	0	0	0	0	0				**149,080,954**
Supervision	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	323,586	4,807,702	9,166,879	8,394,200	5,761,469	4,439,894	4,326,174	0	0	0	0				**37,219,904**
Construction	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	102,093,083	236,820,377	370,858,437	342,628,525	231,525,693	50,414,402	285,173	295,910	226,790	316,024	182,421				**1,335,646,834**
Land	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1,468,843	1,919,312	706,128	461,927	226,445	0	0	0	0	0	0				**4,782,654**
Total CAPEX	**23,329**	**46,664**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**17,410,495**	**12,682,252**	**18,024,425**	**30,208,365**	**26,991,879**	**23,080,859**	**124,498,199**	**243,547,391**	**380,731,444**	**351,484,651**	**237,513,606**	**54,854,296**	**4,611,347**	**295,910**	**226,790**	**316,024**	**182,421**	**0**	**0**	**0**	**1,526,730,346**
	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	1%	1%	1%	2%	2%	2%	8%	16%	25%	23%											

Convert to PVC (£000s)

2019	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030	2031	2032	2033	2034	2035	2036	2037	2038	2039	2040	2041	2042	2043	2044	2045	2046	2047	2048	2049	2050	Total
20,369	39,366	0	0	0	0	0	0	0	0	0	0	10,060,295	7,080,365	9,722,553	15,743,663	13,591,624	11,229,226	9,689,294	0	0	0	0	0	0	0	0	0	0	0	0	0	**77,176,756**
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	152,106	2,183,508	4,022,521	3,558,900	2,360,094	1,757,229	1,654,320	0	0	0	0	0	0	0	**15,688,678**
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	47,990,341	107,556,394	162,736,503	145,264,664	94,840,822	19,953,101	109,050	109,329	80,958	108,997	60,790	0	0	0	**578,810,948**
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	690,451	871,691	309,856	195,844	92,759	0	0	0	0	0	0	0	0	0	**2,160,601**
20,369	**39,366**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**10,060,295**	**7,080,365**	**9,722,553**	**15,743,663**	**13,591,624**	**11,229,226**	**58,522,192**	**110,611,593**	**167,068,881**	**149,019,407**	**97,293,676**	**21,710,330**	**1,763,369**	**109,329**	**80,958**	**108,997**	**60,790**	**0**	**0**	**0**	**673,836,983**

Hollingworth to Tintwistle Bypass

Expenditure Profile	2018	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030	2031	2032	2033	2034	2035	2036	2037	2038	2039	2040	2041	2042	2043	2044	2045	2046	2047	2048	2049	Total
Preparation	17,014	35,204	16,571	4,547,494	3,774,634	6,438,420	11,452,137	25,242,094	16,979,735	0	0	0	0	0	0	0	0	0	0	0													**68,503,304**
Supervision	0	0	0	0	0	0	0	0	134,434	2,248,904	3,453,542	3,359,921	1,249,873	1,318,074	0	0	0	0	0	0													**11,764,748**
Construction	0	0	0	0	0	0	0	0	63,797,978	166,711,135	214,854,417	199,147,481	79,562,779	2,898,835	0	0	0	0	0	0													**726,972,625**
Land	0	0	0	0	0	6,359,700	8,370,533	4,161,235	22,708,809	27,203,187	10,144,591	6,730,987	3,332,329	5,085,463	2,530,135	1,399,034	558,132	486,015	276,953	137,348													**99,484,452**
Total CAPEX	**17,014**	**35,204**	**16,571**	**4,547,494**	**3,774,634**	**12,798,120**	**19,822,669**	**29,403,329**	**103,620,955**	**196,163,227**	**228,452,550**	**209,238,389**	**84,144,982**	**9,302,372**	**2,530,135**	**1,399,034**	**558,132**	**486,015**	**276,953**	**137,348**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**906,725,129**
	0%	0%	0%	1%	0%	1%	2%	3%	11%	22%	25%	23%	9%	1%	0%	0%	0%	0%	0%	0%	0%	0%											

Convert to PVC (£000s)

2018	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030	2031	2032	2033	2034	2035	2036	2037	2038	2039	2040	2041	2042	2043	2044	2045	2046	2047	2048	2049	Total
15,376	30,738	13,980	3,706,596	2,972,608	4,898,936	8,419,156	17,929,455	11,652,853	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	**49,639,698**
0	0	0	0	0	0	0	0	92,259	1,491,186	2,212,511	2,079,741	747,491	761,622	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	**7,384,811**
0	0	0	0	0	0	0	0	43,783,278	110,541,569	137,646,430	123,269,358	47,582,791	1,675,032	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	**464,498,457**
0	0	0	0	0	4,839,038	6,153,683	2,955,725	15,584,602	18,037,685	6,499,130	4,166,382	1,992,911	2,938,530	1,412,547	754,653	290,881	244,730	134,742	64,563	0	0	0	0	0	0	0	0	0	0	0	0	**66,069,803**
15,376	**30,738**	**13,980**	**3,706,596**	**2,972,608**	**9,737,974**	**14,572,840**	**20,885,180**	**71,112,993**	**130,070,441**	**146,358,070**	**129,515,481**	**50,323,193**	**5,375,184**	**1,412,547**	**754,653**	**290,881**	**244,730**	**134,742**	**64,563**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**587,592,769**

M60 J24 to 25 (2037)

Expenditure Profile	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030	2031	2032	2033	2034	2035	2036	2037	2038	2039	2040	2041	2042	2043	2044	2045	2046	2047	2048	2049	2050	Total
Preparation	24,193	48,315	0	0	0	0	0	0	0	0	0	0	0	0	0	233,737	6,830,364	5,369,768	0	0	0	0	0	0	0				0				**12,506,377**
Supervision	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2,957,384	3,390,483	0	0	0	0	0	0				0				**6,347,867**
Construction	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	40,901,082	30,110,308	237,639	245,916	255,175	195,570	156,976	0				0				**72,102,665**
Land	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	70,392	108,596	54,219	23,163	11,563	9,630	7,705				7,705				**292,972**
Total CAPEX	**24,193**	**48,315**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**233,737**	**6,830,364**	**49,228,233**	**33,571,182**	**346,235**	**300,135**	**278,338**	**207,133**	**166,606**	**7,705**	**0**	**0**	**0**	**7,705**	**0**	**0**	**0**	**91,249,881**
	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	7%	54%	37%	0%	0%	0%											

Convert to PVC (£000s)

	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030	2031	2032	2033	2034	2035	2036	2037	2038	2039	2040	2041	2042	2043	2044	2045	2046	2047	2048	2049	2050	Total
	21,124	40,759	0	0	0	0	0	0	0	0	0	0	0	0	0	121,816	3,439,395	2,612,483	0	0	0	0	0	0	0	0	0	0	0	0	0	0	**6,235,577**
	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1,438,817	1,593,746	0	0	0	0	0	0	0	0	0	0	0	0	0	**3,032,563**
	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	19,899,065	14,153,789	107,928	107,911	108,187	80,112	62,128	0	0	0	0	0	0	0	0	**34,519,119**
	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	33,089	49,321	23,792	9,821	4,736	3,812	2,946	0	0	0	2,568	0	0	0	**130,084**
	21,124	**40,759**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**121,816**	**3,439,395**	**23,950,364**	**15,780,623**	**157,249**	**131,702**	**118,007**	**84,849**	**65,940**	**2,946**	**0**	**0**	**0**	**2,568**	**0**	**0**	**0**	**43,917,343**

TPTS Studies - Test Packages

ID	Scheme	Package 1 (2034)	Package 2 (2037)	Package 3 (2041)	Optimised Package (2041)	Reference	End date	Outturn Cost (£m)	CAPEX P50 (£m)	CAPEX P2.5 (£m)	CAPEX P97.5 (£m)	OPEX (£m)	PVC P50 (£m)	PVC P2.5 (£m)	PVC P97.5 (£m)
1	M67, M60 to A57	✓	✓	✓	✓	M67, M60 to	Jul-2028	81.99	36.05	15.87	76.52	#REF!	#REF!	#REF!	#REF!
2	A6 to M60		✓	✓	✓	A6 to M60	Aug-2036	1,093.44	299.49	124.53	784.71	#REF!	#REF!	#REF!	#REF!
3	M60 J24a-J25			✓	✓	M60 J24 to 2	Mar-2041	69.31	16.20	6.52	38.28	#REF!	#REF!	#REF!	#REF!
4	M1 J35a-J36	✓	✓	✓	✓	M1 J35a to 3	Apr-2031	35.91	14.61	7.53	28.02	#REF!	#REF!	#REF!	#REF!
5	Denton Bypass				✓	Denton Bypa	Aug-2040	1,062.53	227.84	71.69	537.43	#REF!	#REF!	#REF!	#REF!
6	A616 to M1	✓	✓	✓	✓	A616 dualling	May-2033	781.04	273.74	115.95	626.77	#REF!	#REF!	#REF!	#REF!
7	A628 to M67	✓	✓	✓		Hollingworth	Aug-2030	641.05	261.88	109.69	587.59	#REF!	#REF!	#REF!	#REF!
8	A628 + Tunnel				✓	A628 + Tunn	Nov-2041	8,779.55	1,939.16	692.71	4,259.03	#REF!	#REF!	#REF!	#REF!
9	M1 to M18			✓	✓	M1 to M18	Sep-2039	2,394.81	573.55	205.02	1,454.82	#REF!	#REF!	#REF!	#REF!
10	M18 J1a-J2			✓	✓	M18 J1a to 2	Feb-2040	92.90	23.20	10.04	50.30	#REF!	#REF!	#REF!	#REF!
11	A628 Mottram				✓	A628 Mottran	Aug-2041	1,017.08	225.75	68.57	673.84	#REF!	#REF!	#REF!	#REF!
3	M60 J24-J25 (2037)		✓			M60 J24 to 2	Mar-2037	69.31	18.59	7.48	43.92	#REF!	#REF!	#REF!	#REF!

*OPEX assume half of A6-M60 OPEX

*CAPEX profile from EO shifted by 4 years earlier to represent 2037 opening year

Package	Outturn Cost (£m)	CAPEX P50 (£m)	CAPEX P2.5 (£m)	CAPEX P97.5 (£m)	OPEX (£m)	PVC P50 (£m)	PVC P2.5 (£m)	PVC P97.5 (£m)
Package 1	1,539.98	586.27	249.05	1,318.89	#REF!	#REF!	#REF!	#REF!
Package 2	2,702.73	904.35	381.05	2,147.52	#REF!	#REF!	#REF!	#REF!
Package 3	5,190.44	1,498.71	595.15	3,647.00	#REF!	#REF!	#REF!	#REF!
Optimised Package	15,408.55	3,629.57	1,318.43	8,529.72	#REF!	#REF!	#REF!	#REF!

	Pk1	PK2	PK3	Opt Pk	Toll_TUBA	Toll_Sensitivity
Outturn Costs (£m)	1,539.98	2,702.73	5,190.44	15,408.55	15,408.55	15,408.55
CAPEX	586.27	904.35	1,498.71	3,629.57	3,629.57	3,629.57
OPEX	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!
Toll Revenues					-588.72	-2,200.00
PVC (£m) (EO Most Like	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!
Level 1 PVB (£m)	1,253.67	1,597.45	2,429.35	4,312.44	3,930.88	2,437.66
Level 1 BCR	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!
Reliability	110.358	148.65	236.79	441.21	421.90	421.90
WITA	599.511	855.83	1,117.76	2,684.18	1,770.35	1,770.35
Total Level 2 PVB	1,963.54	2,601.93	3,783.91	7,437.83	6,123.14	4,629.91
Level 2 BCR	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!

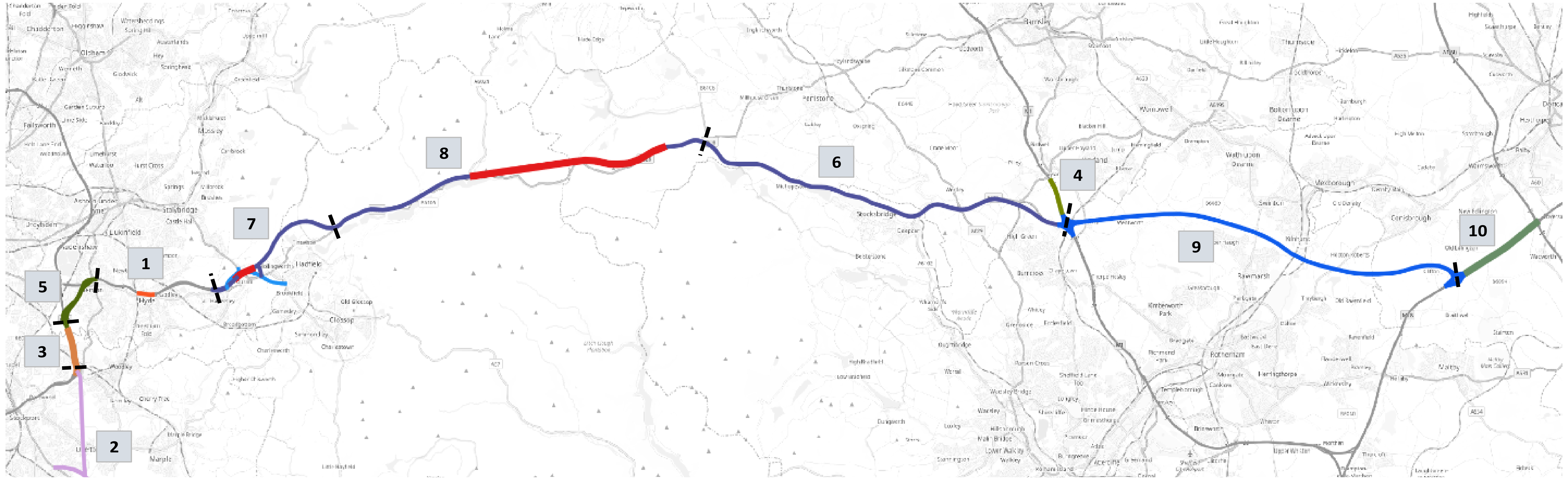
*from Financial analysis spreadsheet

*Note: Packages 1-3 do not include Accident and Construction delays

Incremental BCR Calculation

	Pk2 vs. Pk1	Pk3 vs. Pk2	Optimised vs. Pk3	Toll_TUBA vs. Pk3	Toll_Sen vs. Pk3
Incremental PVC (£m) (EO Most Likely)	#REF!	#REF!	#REF!	#REF!	#REF!
Incremental Level 1 PVB (£m)	343.780	831.900	1,883.089	1,501.53	8.30
Incremental Level 1 BCR	#REF!	#REF!	#REF!	#REF!	#REF!
	294.612	350.073	1,770.836		
Incremental Level 2 PVB	638.392	1,181.973	3,653.925	2,339.23	846.01
Incremental Level 2 BCR	#REF!	#REF!	#REF!	#REF!	#REF!

Note: Excludes Accident Impacts in Level 1 and Construction Impacts in either Level 1 or 2




Legend
Tunnel Se
Trans-Pen
Mottram