## Benchmark CAZ D, Summary of costs, adjusted for inflation and risk

			Operating expenditure over 10 years	
- 1	CAZ D Boundary Signs	£901,176	£0	£901,176
2	CAZ D Boundary ANPR	£11,329,624	£0	£11,329,624
3	CAZ D Advanced Signing Local Network	£1,304,193	£0	£1,304,193
4	CAZ D Advanced Signing HE Network (Including Gantries)	£5,161,286	£0	£5,161,286
5	CAZ D Internal ANPR and Signing	£5,724,198	£0	£5,724,198
6	Back Office Cost for Monitoring, Data Processing and Charging	£3,512,679	£42,705,804	£46,218,483
7	Maintenance	E5,473,604	£11,764,684	£17,238,289
8	Communications, Engagement and Consultation	£0	£2,394,113	£2,394,113
9	Monitoring and Evaluation	£190,906	£1,000,302	£1,191,208
10	Decommissioning Costs	£0	£2,027,010	£2,027,010
- 11	Sinking Fund	£2,979,150	£0	£2,979,150
	Total	£36.576.817	£59.891.914	£96.468.731

## Benchmark CAZ D, Summary of costs, adjusted for inflation and risk (E000s)

			Operating expenditure over 10 years	
- 1	CAZ D Boundary Signs	901		901
2	CAZ D Boundary ANPR	11,330		11,330
3	CAZ D Advanced Signing Local Network	1,304		1,304
4	CAZ D Advanced Signing HE Network (Including Gantries)	5,161		5,161
5	CAZ D Internal ANPR and Signing	5,724		5,724
6	Back Office Cost for Monitoring, Data Processing and Charging	3,513	42,706	46,218
7	Maintenance	5,474	11,765	17,238
8	Communications, Engagement and Consultation	-	2,394	2,394
9	Monitoring and Evaluation	191	1,000	1,191
10	Decommissioning Costs	-	2,027	2,027
11	Sinking Fund	2,979		2,979
	Total	24 577	E0 002	04 440

## Benchmark CAZ D, cashflow profile adjusted for inflation and risk

													2032
Capital costs	£ -	£ -	£ 18,969,763	£ 9,154,299 £	- £	- E	- E	5,473,604	E - E	- E	- £	- E	2,979,150
Operating costs	E -	£ -	£ 72,896	£ 5,196,770 £	5,316,295 £	5,438,570 £	5,665,771 £	5,691,621 E	5,822,529 £	5,956,447 £	6,093,445 £	6,233,594 E	8,403,977
Revenue				-E 40,921,688 -E	37,173,350 -£	33,425,012 -£	29,676,673 -£	24,730,561 -E	19,784,449 -£	14,838,337 -£	9,892,224 -£	4,946,112 E	-
Net cashflow	£ -	£ -	£ 19,042,659	-£ 26,570,620 -£	31,857,055 -£	27,986,441 -£	24,010,902 -£	13,565,335 -6	E 13,961,920 -E	8,881,890 -£	3,798,779 £	1,287,482 £	11,383,127

## Benchmark CAZ D, cashflow profile adjusted for inflation and risk (£000s)

Capital costs		18,970	9,154				5,474					2,979
Operating costs		73	5,197	5,316	5,439	5,666	5,692	5,823	5,956	6,093	6,234	8,404
Revenue			- 40,922	- 37,173	- 33,425	- 29,677	- 24,731	- 19,784	- 14,838	- 9,892	- 4,946	
Net cashflow		19,043	- 26,571	- 31,857	- 27,986	- 24,011	- 13,565	- 13,962	- 8,882	- 3,799	1,287	11,383

Net cashflow

Costs are presented as positive values and revenues are presented as negative values as per DIT's Public Accounts table.

Header 1																	
	Heading	Item	Final cost	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030	2031	2032	Total
	CAZ D Boundary Signs CAZ D Boundary ANPR	Sign Cost ANPR Cost	£583,625.00 £7.374.375.00			£259,389 £5.162.063	£324,236 £2,212,313							_			£583,625 £7,374,375
- 4	LAZ D BOUNDARY ANYK	ANPK LOST	17,374,375.00			£5,162,063	12,212,313							_			17,374,375
2	CAZ D Advanced Signing Local Network	Environmental (Vegetation Clearance, Tree Removal)	£11.500.00			£11.500											£11.500
2	CAZ D Advanced Signing Local Network	Traffic Management (Boundary Installation)	£176.445.94			£176.446											£176,446
3	CAZ D Advanced Signing Local Network	Local Signs	£627.468.75			£278.875	£348.594										£627.466
3	CAZD Advanced Signing Local Network	Traffic Management (Local Signs)	£31 265 63			£13,896	£17.370										£31,266
4	CAZ D Advanced Signing HE Network (Including Gantries)	A50 and A500 Signs	£1.495.000.00			FRF4 444	£830.556										£1,495,000
4	CAZ D Advanced Signing HE Network (Including Gantries)	Alternative Gantry Signs	£1,796,875.00			£798.611	£998.264										£1,796,875
	CAZ D Advanced Signing HE Network (Including Gantries)	Traffic Management for Signs (HE)	£42,406.25			£18,847	£23,559										£42,406
4	CAZ D Advanced Signing HE Network (Including Gantries)	Traffic Management for Gantries (HE)	£8,301.56			£3,690	£4,612										£8,300
5	CAZ D Internal ANPR and Signing	ANPR within CAZ D at 25 locations (50 ANPR Cameras)	£3.725.841.88			£2.608.089	£1.117.753										£3.725.842
6	Back Office Cost for Monitoring, Data Processing and Charging	Setting up back office / Upgrade to systems	£2,300,000.00			£2,300,000											£2,300,000
7	Maintenance	Five year camera replacement costs	£3,208,635.00								£3,208,635.00						£3,208,638
9	Monitoring and Evaluation Sinking Fund	Traffic Monitoring Site Installation Costs	£125.000.00			£125.000											£125.000
11	Sinking Fund	Sinkina Fund	£1.558.695.00			£12,420,850	£5,877,255	£0	en en	60	£3,208,635	50	50	- en	FD	£1,558,695 £1,558,695	£1.558.696 £ 23,065,435
-	Total Capital Cost 2020 Values			L.	L .	112,420,850	10,8/7,255	10	10	EU	13,208,635	10	EU	1 10	10	£ 1,558,695	£ 23,065,435
	Capital Costs Cash Flow Profile adjusted for inflation																
Header	Heading	Item	Final cost	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030	2031	2032	Total
1		Sian Cost	£583.625.00	£ .	£ .	£ 269.541	£ 343.618	£ .	£ .	£ .	. 3	£ .	£ .	£ .	£ .	£ .	£613.159
2	CAZ D Boundary ANPR	ANPR Cost	£7.374.375.00	£ :	٤ .	£ 5.364.105	£ 2.344.555	£ -	£ .	ε -	£ .	£ .	٤ .	£ .	£ -	£ -	£7.708.661
	CAZ D Advanced Signing Local Network	Environmental (Vegetation Clearance, Tree Removal)	£11.500.00			£ 11.950											£11.950
3	CAZ D Advanced Signing Local Network	Traffic Management (Boundary Installation)	£176,445.94	r.		£ 183,352			r .			r .					£11,950
3	CAZ D Advanced Signing Local Network	Local Signs	FR27 4R8 75	r.		£ 289.790	£ 369.431		r .			r .					£659.221
2	CAZ D Advanced Signing Local Network	Traffic Management (Local Signs)	£31,265.63	E.	£ .	£ 14,440		£ .	F :	£ .	£ .	E :	E .	£ .	£ .	E .	£32.848
- 4	CAZ D Advanced Signing HE Network (Including Gantries)	A50 and A500 Signs	£1.495.000.00	E .	£ .	£ 690,451	£ 880.203	£ .	£ .	£ .	£ .	£ .	e .	£ .	£ .	e .	£1.570.653
	CAZ D Advanced Signing HE Network (Including Cantries)	Alternative Gantry Signs	£1,796,875.00	£ .	e .	£ 829,869		£ .	£ .	£ .		£ .	e .	£ .	£ .	£ .	£1,887,805
- 1	CAL D Advanced Signing In. Including California		L1,130,073.00	•	-	2 023,003	2 1,007,000	-	-	-		-	-	-		-	21,007,000
4	CAZ D Advanced Signing HE Network (Including Gantries)	Traffic Management for Signs (HE)	£42.406.25	£	ε .	£ 19.585	£ 24.967	£ .	£ .	£.	£ .	£ .	ε .	£ .	ε .	£ .	£44.552
4	CAZ D Advanced Signing HE Network (Including Gantries)	Traffic Management for Gantries (HE)	£8,301.56	£ ·	ε .	£ 3,834	£ 4,888	£ .	£ .	ε .	٤.	£ .	ε .	٤ .	ε .	ε .	£8,722
5	CAZ D Internal ANPR and Signing	ANPR within CAZ D at 25 locations (50 ANPR Cameras)	£3,725,841.88	£ ·	٤.	£ 2,710,170	£ 1,184,567	£ -	£ .	ε .	£ .	£ .	ε .	£ .	£ .	ε .	£3,894,737
6		Setting up back office / Upgrade to systems	£2,300,000.00	£ ·	£ -	£ 2,390,022	£ .	£ .	£ .	£ .	£ .	£ .	ε .	ε .	ε .	£ .	£2,390,022
	Back Office Cost for Monitoring, Data Processing and Charging														_		
- /		Five year camera replacement costs	£3,208,635.00		٤ .	£ .	£ .	£ .			£ 3,724,233	-	£ .	£ .	£ .	£ .	£3,724,233
	Maintenance Monitoring and Evaluation	Traffic Monitoring Site Installation Costs	£125,000.00		£ .	£ 129,892	£ .	£ .	£	٤ .	£ 3,724,233	£	£ .	£ .	£ .	£ .	£129,892
				£ ·		£ .	£ . £ .	£ .	£ .	£ .	£ .	£ :	£ .	£ .	£ . £ .	£ 2,027,010	£129,892 £2,027,010
	Maintenance Monitoring and Evaluation	Traffic Monitoring Site Installation Costs	£125,000.00			£ . £ 129,892 £ . £12,907,001	£ . £ . £ . £6,228,573	£ . £ .	£ .	£ . £ .	£ 3,724,233 £ . £ . £3,724,233	£ .	£ . £ .	£ .	£ - £ - £ -		£129,892
	Maintenance Monitoring and Evaluation	Traffic Monitoring Site Installation Costs	£125,000.00	£ ·		£ .	£ . £ . £ . £5,228,573	£ .	£ .	£ . £ .	£ .	£ . £ .	£ . £ .	£ .	£ . £ . £ .	£ 2,027,010	£129,892 £2,027,010
	Maintenance Monitoring and Evaluation	Traffic Monitoring Site Installation Costs Sinking Fund	£125,000.00	£ ·		£ .	£ . £ . £ . £5,228,573	£ .	£ .	£ .	£ .	£ .	£ . £ .	£ .	£ . £ . £ .	£ 2,027,010	£129,892 £2,027,010 £ 24,886,817 11,690,000
	Maintenance Monitoring and Evaluation	Traffic Monitoring Site Installation Costs Sinking Fund Risk	£125,000.00	£ ·		£ .	£ £ £ £5,228,573	£ .	£ .	£ .	£ .	£ .	£ .	£ .	£ - £ - £ -	£ 2,027,010	£129,892 £2,027,010 £ 24,886,817
11	Membranes  American and September (1994)  Sealing Fund  Tests Capital Cost  Capital Co	Traffic Monitoring Site Installation Costs Sinking Fund  Risk Capital costs total	£125,000.00 £1,558,695.00	£ . £ .	£ . £ .	£ £12,907,001		£ .	£ .		£ . £ . £3,724,233			£ .		£ 2,027,010 £2,027,010	£129,892 £2,027,010 £ 24,886,817 11,690,000 £24,886,817
	Maintenance Maintenance Related to Sealer Sea	Traffic Monitoring, Site Installation Costs Sinking Fund  Bisk Capital costs total	£125,000.00 £1,558,695.00 Final cost	£ - £ - £ -	£ . £ . £ 2021	£ £12,907,001	2023	£ .	£ £ £0	£ . £0	£ .	£ . £ . £00	£ . £ . £0	£ .	£ . £ . £0	£ 2,027,010	£129,892 £2,027,010 £ 24,886,817 11,690,000 £24,886,817
11	Membersone Memberson (Selection Control Contro	Traffic Monitoring Site Installation Coats Sinking Fund  Risk Capital coats total  Bem Sign Cost	£125,000.00 £1,558,695.00 Final cost £583,625.00	£ · £ · £ · 2020 £ ·	£ . £ .	£ £ £12,907,001	2023 £ 505,024	£ £	£ . £0		£ . £ . £3,724,233			£ .		£ 2,027,010 £2,027,010	£129,892 £2,027,010 £ 24,896,817 11,690,000 £24,896,817 Total £901,176
11	Membranes  American and September (1994)  Sealing Fund  Tests Capital Cost  Capital Co	Traffic Monitoring, Site Installation Costs Sinking Fund  Bisk Capital costs total	£125,000.00 £1,558,695.00 Final cost	£ · £ · £ · 2020 £ ·	£ . £ . £ 2021	£ £12,907,001	2023	£ £	£ £ £0		£ . £ . £3,724,233			£ .		£ 2,027,010 £2,027,010	£129,892 £2,027,010 £ 24,886,817 11,690,000 £24,886,817
11	Memorane Costs after Section 1  Section for 1  Blad Costs Cost Cost Cost Cost Cost Cost Cos	Traffic Monitoring Site Installation Coats Sinking Fund  Risk Capital coats total  Bem Sign Cost	£125,000.00 £1,558,695.00 £1,558,695.00 Final cost £583,625.00 £7,374,375.00	£ · £ · £ · 2020 £ ·	£ . £ . £ 2021	Σ £12,907,001 2022 Σ 396,152 £ 7,883,768	2023 £ 505,024	£ £	£ . £0		£ . £ . £3,724,233			£ .		£ 2,027,010 £2,027,010	E129,892 E2,027,010 E 24,886,817  11,690,000 E24,886,817  Total E901,176 E11,329,624
11	Memberson Member	Traffic Monitoring Site Installation Costs Shinking Fund  Risk Cagnis costs Sosis  Sign Cost ANPE Cost Environmental (Vegetation Clearance, Tree Removal)	E125,000.00 E1,558,695.00 Final cost E583,625.00 E7,374,375.00	£ . £ . £	2021	Σ £12,907,001 2022 £ 396,152 £ 7,883,768 £ 17,563	2023 £ 505,024	£ £	£ . £0		£ . £ . £3,724,233			£ .		£ 2,027,010 £2,027,010	£129,892 £2,027,010 £ 24,886,817 11,690,000 £24,886,817 Total £901,176 £11,329,624
11	Memberson Member	Traffic Management (Bondary Installation)  Traffic Management (Sondary Installation)  Traffic Management (Sondary Installation)	£125,000.00 £1,558,695.00 £1,558,695.00 Final cost £583,625.00 £7,374,375.00 £11,500.00 £176,445.94	£ . £ . £ .	2021	Σ £12,907,001  2022  £ 396,152  £ 7,883,768  £ 17,563  £ 269,477	2023 £ 505,024 £ 3,445,855 £	2024 £	2025 £ . £ . £ .		£ . £ . £3,724,233			£ .	2031 £ - £ -	£ 2,027,010 £2,027,010	£129,892 £2,027,010 £ 24,886,817 11,690,000 £24,886,817 Total £901,176 £11,329,624 £17,563 £289,477
11	Montenance (substition of cabation (solid capital Cast Capital Cast Capital Cast Capital Cast Capital Cast (solid Capital Cast Capital Cast Abordon Abordon Capital Cast Capital Capital Cast Capital Cast Capital Cast Capital Cap	Traffic Monitoring Site Installation Costs Simining Fund  Risk Capital costs test  Sen Cost ANRY Cost Environmental (Vegstation Classrace, Time Removal) Traffic Management (Boundary, Installation) Local Signs	£125,000.00 £1,558,695.00 £1,558,695.00 £1,558,625.00 £7,374,375.00 £11,500.00 £176,445.94 £627,468.75	£ . £ . £ .	2021	£ 12,907,001 2022 £ 396,152 £ 7,883,768 £ 17,663 £ 269,477 £ 425,912	2023 £ 505,024 £ 3,445,855 £ . £ 542,963	2024 £ £ £	£ . £0		£ . £ . £3,724,233			£ .		£ 2,027,010 £2,027,010	£129.892 £2,027,010 £ 24,886,817 11,690,000 £24,886,817 Total £901,176 £11,329,624 £17,563 £269,477 £988,875
Header 1 2 3 3 3 3 3 3 3 3 3	Memberson Member	Traffic Monagement (Cord Spreads	£125,000.00 £1,558,695.00 £1,558,695.00 Final cost £583,625.00 £7,374,375.00 £11,500.00 £176,445.94 £627,468.75 £31,266.63	£ . £ . £ . 2020 £ . £ . £ .	2021	\$12,907,001 \$12,907,001 \$2022 \$\begin{array}{c} 396,152 \\ \begin{array}{c} 7,883,768 \\ \begin{array}{c} 17,563 \\ \begin{array}{c} 289,477 \\ \begin{array}{c} 425,912 \\ \begin{array}{c} 27,222 \\ a	2023 £ 505,024 £ 3,445,855 £ . £ 542,963 £ 27,055	2024 £ £ £	2025 £ . £ . £ .		£ . £ . £3,724,233			£ .	2031 £ - £ -	£ 2,027,010 £2,027,010	£129.892 £2,027.010 £ 24,886,817 11,690.000 £24,886,817 Total £01,176 £11,326,624 £17,583 £269,477 £968,875 £48,275
Header 1 2 3 3 3 3 4 4	Microsopus (Microsopus Andreas)  Control from Andreas (Microsopus Andreas)  Linker Costs Costs Piew Profite advanta for artiface and sisk electrical (Microsopus Andreas)  (Micr	Traffic Moral Control (Local Spors)  Braik Capabil control stat  San Crat AMPR Cost Environmental (Vegetation Clearance, Tree Removal) Traffic Maragement (Bondary Installation) Local Spors Local Spors And AMPR Cost Local Spors	£125,000.00 £1,558,695.00 £1,558,695.00 £1,558,695.00 £33,625.00 £1,374,375.00 £11,500.00 £176,445.94 £827,468.75 £31,265.63 £1,496.000.00	£ . £ . £ . 2020 £ . £ . £ .	2021	2022 £ 396,152 £ 7,883,768 £ 17,563 £ 299,477 £ 425,912 £ 21,222 £ 1,014,75	2023 £ 505.024 £ 3,445.855 £ . £ 542.963 £ 27.055 £ 1.293.657	2024 E - E - E - E - E - E - E - E - E - E	2025 £ . £ . £ .		£ . £ . £3,724,233			£ .	2031 £ - £ -	£ 2,027,010 £2,027,010	£129.892 £2,027.010 £ 24,886,817 11.690.000 £24,886,817 Total £901,176 £11,320,624 £17,543 £269,437 £48,277 £48,277 £2,308,437
Header 1 2 3 3 3 3 4 4	Memberson Member	Traffic Monitoring Site Installation Costs Shelmen Fund  Flisk Cagelia costs State  Son Cost  Rem Son Cost  AMPE Cost  Environmental (Vegetation Clearance, Tree Removal)  Traffic Management (Boundary Installation)  Lord State  AND and ASSO States  AND	£125,000.00 £1,558,695.00 £1,558,695.00 Final cost £583,625.00 £7,374,375.00 £11,500.00 £176,445.94 £627,468.75 £31,266.63	£ . £ . £ . 2020 £ . £ . £ .	2021	\$12,907,001 \$12,907,001 \$2022 \$\begin{array}{c} 396,152 \\ \begin{array}{c} 7,883,768 \\ \begin{array}{c} 17,563 \\ \begin{array}{c} 289,477 \\ \begin{array}{c} 425,912 \\ \begin{array}{c} 27,222 \\ a	2023 £ 505,024 £ 3,445,855 £ . £ 542,963 £ 27,055	2024 E - E - E - E - E - E - E - E - E - E	2025 £ . £ . £ . £ . £ .		£ . £ . £3,724,233			£ .	2031 £ - £ -	£ 2,027,010 £2,027,010	£129,892 £2,027,010 £ 24,886,817 11,690,000 £24,896,817 Total £901,176 £11,329,624 £17,565 £269,477 £968,877 £48,877
Header 1 2 3 3 3 3 4 4 4 4	Microsopus (Microsopus Andreas)  Control from Andreas (Microsopus Andreas)  Linker Costs Costs Piew Profite advanta for artiface and sisk electrical (Microsopus Andreas)  (Micr	Traffic Monagement (South Sections)  Signs Cost Special Sections State  Section Cost Special Section S	£125,000.00 £1,558,695.00 £1,558,695.00 £1,558,695.00 £33,625.00 £1,374,375.00 £11,500.00 £176,445.94 £827,468.75 £31,265.63 £1,496.000.00	£ . £ . £ . 2020 £ . £ . £ .	2021	2022 £ 396,152 £ 7,883,768 £ 17,563 £ 299,477 £ 425,912 £ 21,222 £ 1,014,75	2023 £ 505.024 £ 3,445.855 £ . £ 542.963 £ 27.055 £ 1.293.657	2024 E - E - E - E - E - E - E - E - E - E	2025 £ . £ . £ . £ . £ .		£ . £ . £3,724,233			£ .	2031 £ - £ -	£ 2,027,010 £2,027,010	£129,895 £2,027,010 £ 24,886,817 11,690,000 £24,886,817 Total £901,176 £11,329,625 £17,526 £269,477 £98,377 £48,277 £2,308,437
Header 1 2 2 3 3 3 4 4 4 4	Membrane Mem	Traffic Management (Cord Specific) Traffic Management (Topic) Traffic Management (To	Final cost £125,000.00 £1,558,695.00 Final cost £583,625.00 £7,374,375.00 £115,000.00 £176,445.94 £827,468.75 £31,265.63 £1,495.000.00 £1,796.875.00	£ . £ . £ . 2020 £ . £ . £ .	2021	2022 £ 336,152 £ 7,883,768 £ 17,563 £ 29,477 £ 425,912 £ 21,222 £ 1,014,774 £ 1,219,680	2023 £ 505,024 £ 3,445,855 £ . £ 542,963 £ 27,055 £ 1,293,657 £ 1,564,877	2024 E - E - E - E - E - E - E - E - E - E	2025 £ . £ . £ . £ . £ .		£ . £ . £3,724,233			£ .	2031 £ - £ -	£ 2,027,010 £2,027,010	£129,800 £2,027,011 £ 24,886,817 11,690,000 £24,886,811 Total £901,171 £11,329,62 £17,68 £196,871 £48,27. £2,084,33 £2,774,55
Header 1 2 3 3 3 4 4 4 4	Control and Columbia  Total Costs Costs Fiber Poulin adjusted for attalon and easy  Costs Costs Costs Fiber Poulin adjusted for attalon and easy  Heading  All Discontine ANR  ANR  ANR  ANR  ANR  ANR  ANR  ANR	Traffic Management (Cost Spring Parts)  Right May 1	E125,000.00 E1,558,695.00 E1,558,695.00 Final cost £588,625.00 E7,374,375.00 E17,546.25 £11,265.63 £1,495.000.00 £1,796.875.00 £1,796.875.00	£ . £ . £ . 2020 £ . £ . £ .	2021	2022 £ 396,152 £ 7,883,768 £ 17,563 £ 209,477 £ 425,91 £ 21,222 £ 1,014,74 £ 1,219,680 £ 28,784	2023 £ 505,024 £ 3,445,855 £ 542,963 £ 27,055 £ 1,293,657 £ 1,554,877 £ 36,695	2024 E - E - E - E - E - E - E - E - E - E	2025 £ . £ . £ . £ . £ .		£ . £ . £3,724,233			£ .	2031 £ - £ -	£ 2,027,010 £2,027,010	£128,890 £2,027,010 £ 24,896,817 11,690,000 £24,896,817 Total £901,176 £11,326,624 £17,563 £269,477 £968,875 £48,277 £230,843 £2,774,567
Header 1 2 3 3 3 4 4 4 4	Monitoring and Cabatrion  Control Cost Cash Fee Polite advants for artistics and disk  Bed Castel Cost  Cost Cost Fee Polite advants for artistics and disk  Heading  Cost December 2007	Traffic Monagement (South Section 1)  Signs (South Section 1)  Traffic Management (Boundary healtafters)  Local Signs (South Section 1)  Traffic Management (Local Signs)  And (South Section 1)  Traffic Management for Signs (HE)  Traffic Management for Signs (HE)  Traffic Management for Gaminic (HE)  AMPR within (AZ D at 25 Incations (50 AMPR Cameras)  Setting up back office / Upgrade to systems	£125,000.00 £1,558,695.00 £1,558,695.00 £1,558,625.00 £7,374,375.00 £7,374,375.00 £176,445,34 £827,468,75 £13,266,35 £1,768,875.00 £17,648,76 £3,268,30 £3,268,30 £3,268,41,88	2020 £ · £ · £ · £ · £ · £ · £ · £ ·	2021 £ . £ . £ . £ . £ . £ . £ . £ .	2022 £ 396,152 £ 7,883,768 £ 17,563 £ 269,477 £ 425,912 £ 21,222 £ 1,014,74 £ 1,219,680 £ 28,784 £ 5,635	2023 £ 505,024 £ 3,445,855 £ . £ 542,963 £ 27,055 £ 1203,687 £ 1,564,877 £ 36,695 £ 7,184	2024 E - E - E - E - E - E - E - E - E - E	2025 £ . £ . £ . £ . £ .		E			£ .	2031 £ - £ -	£ 2,027,010 £2,027,010	\$129,868,817  11,690,0000  224,898,817  11,690,0000  224,898,811  Total  \$10,177,100  \$11,296,624  \$12,298,421  \$220,477,455  \$25,442,498  \$25,442,498  \$25,442,498  \$25,442,498  \$25,442,498
Header 1 2 3 3 3 4 4 4 4 4 5 5 6 7 7	Michientary and Calulation  Technicity and Calulation  Technicity and Calulation  Technicity and Calulation  Finds Cases Fiber Pool in adjusted for inflation and case  Section of Cases Fiber Pool in adjusted for inflation and case  Section of Cases Fiber Pool in adjusted for inflation and case  Section of Cases Fiber Pool in adjusted for inflation and case  Section of Cases Fiber Pool inflation  Section o	Traffic Management (50 at 20 st 20 s	Final cost £1558,695.00 Final cost £588,695.00 £11,500.00 £17,645,94 £145,000.00 £17,645,94 £3,743,775.00 £1,950	2020 £ · £ · £ · £ · £ · £ · £ · £ ·	2021 E . E . E . E . E . E . E . E .	2022 £ 306,152 £ 7,883,768 £ 11563 £ 209,477 £ 425,972 £ 125,072 £ 121,080 £ 12,020 £ 13,033 £ 20,077 £ 121,080 £ 12,080 £ 13,083 £ 20,077 £ 121,080 £ 13,083 £ 20,077 £ 13,083 £ 13,08	2023 £ 505,024 £ 3,445,855 £ . £ 542,963 £ 27,055 £ 1203,687 £ 1,564,877 £ 36,695 £ 7,184	2024 E - E - E - E - E - E - E - E - E - E	2025 £ . £ . £ . £ . £ .		£ . £ . £3,724,233			£ .	2031 £ - £ -	£ 2,027,010 £2,027,010	E129,808,817  11,690,000  E24,896,817  11,690,000  E24,896,817  Total  E90,171,696  E11,298,624  E12,745,656  E12,745,656  E12,741,966  E5,724,196  E5,724,196  E5,724,196  E5,724,196  E5,724,196  E5,724,196  E5,724,196
Header 1 2 3 3 3 4 4 4 4 5 5 6 6 7 9	Makeningung All Schallering Control of the Makeningung All Schallering Control of Contro	Traffic Meangement for Signs (HE)  AND Traffic Meangement for Signs (HE)  Stan Cost  Bern  Stan Cost  AND Cost  AND Cost  Stan Cost  AND Cost  AND Cost  Stan Cost  AND Cost  Stan Cost  AND Cost  Stan Cost  AND Cost  AN	£125,000.00 £1,558,695.00 £1,558,695.00 £1,558,625.00 £7,374,375.00 £176,445,94 £827,468,75 £13,265,53 £1,495,000.00 £176,445,94 £2,406,25 £3,275,841,88 £3,725,841,88 £2,200,000.00 £3,206,635.00 £3,256,635.00	2020 £ - £ - £ - £ - £ - £ - £ - £ - £ - £ -	2021 E	2022 £ 396,152 £ 7,883,786 £ 17,583 £ 299,477 £ 25,122 £ 1,114,774 £ 121,980 £ 121,980 £ 28,784 £ 5,635 £ 3,983,209	2023 £ 505,024 £ 3,445,855 £ . £ 542,963 £ 27,055 £ 1203,687 £ 1,564,877 £ 36,695 £ 7,184	2024 E - E - E - E - E - E - E - E - E - E	2025 £ . £ . £ . £ . £ .		E			£ .	2031 £ - £ -	E 2007 010   E2007	E129 868 817 11 880 000 11 14 800 000 12 488 817 14 800 000 12 488 817 14 800 000 12 488 817 14 800 000 12 488 817 14 800 000 12 488 817 14 818 818 818 818 818 818 818 818 818
Header  1 2 3 3 3 4 4 4 4 5 5 6 6 7 9 9 1	Michientary and Calulation  Technicity and Calulation  Technicity and Calulation  Technicity and Calulation  Finds Cases Fiber Pool in adjusted for inflation and case  Section of Cases Fiber Pool in adjusted for inflation and case  Section of Cases Fiber Pool in adjusted for inflation and case  Section of Cases Fiber Pool in adjusted for inflation and case  Section of Cases Fiber Pool inflation  Section o	Traffic Management (50 at 20 st 20 s	Final cost £1558,695.00 Final cost £588,695.00 £11,500.00 £17,645,94 £145,000.00 £17,645,94 £3,743,775.00 £1,950	2020 £ - £ - £ - £ - £ - £ - £ - £ - £ - £ -	2021 E . E . E . E . E . E . E . E .	2022 £ 306,152 £ 7,883,768 £ 11563 £ 209,477 £ 425,972 £ 125,072 £ 121,080 £ 12,020 £ 13,033 £ 20,077 £ 121,080 £ 12,080 £ 13,083 £ 20,077 £ 121,080 £ 13,083 £ 20,077 £ 13,083 £ 13,08	2023 £ 505,024 £ 3,445,855 £ . £ 542,963 £ 27,055 £ 1203,687 £ 1,564,877 £ 36,695 £ 7,184	2024 E - E - E - E - E - E - E - E - E - E	2025 £ . £ . £ . £ . £ .		E			£ .	2031 £ - £ -	£ 2,027,010 £2,027,010	E129,892,893,17  11,690,000, E24,886,817  Total  590,1,76  E13,296,24  E17,563  E298,377  E398,375  E398,377  E398,375  E398,377  E398,3

	Operating Costs cash flow profile (2020 prices)																
Header	Heading	Item	2020 (Base Costs)	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030	2031	2032	Total
6	Back Office Cost for Monitoring, Data Processing and Charging	Project Management costs	230,000				230,000	230,000	230,000	230,000	230,000	230,000	230,000	230,000	230,000	230,000	2,300,000
6	Back Office Cost for Monitoring, Data Processing and Charging	Processing	800,000				800.000	800.000	800,000	800,000	800,000	800.000	800.000	800.000	800.000	800.000	8.000.000
6	Back Office Cost for Monitoring, Data Processing and Charging	Staffing (internal)	2,600,000				2,600,000	2,600,000	2,600,000	2,600,000	2,600,000	2,600,000	2,600,000	2,600,000	2,600,000	2,600,000	26,000,000
7	Maintenance	Maintenance	1,000,000				1,000,000	1,000,000	1,000,000	1,000,000	1,000,000	1,000,000	1,000,000	1,000,000	1,000,000	1,000,000	10,000,000
8	Communications, Engagement and Consultation	Marketing	103,500				103,500	103,500	103,500	103,500	103,500	103,500	103,500	103,500	103,500	103,500	1,035,000
8	Communications, Engagement and Consultation	Communications	100,000				100,000	100,000	100,000	100,000	100,000	100,000	100,000	100,000	100,000	100,000	1,000,000
	Monitoring and Evaluation	Air Quality Monitoring	54,150			54,150	54,150	54,150	54,150	54,150	54,150	54,150	54,150	54,150	54,150	54,150	595,650
9	Monitoring and Evaluation	Annual Monitoring Costs	16,000			16,000	16,000	16,000	16,000	16,000	16,000	16,000	16,000	16,000	16,000	16,000	176,000
9	Monitoring and Evaluation	Traffic Data Collection for Monitoring in 2025	90,000							90,000							90,000
10	Decommissioning Costs	De-commissioning / Removal	1.558.695													1.558.695	1.558.695
		Operating Cost Cash Flow				70.150	4.903.650	4,903,650	4.903.650	4.993.650	4.903.650	4.903.650	4.903.650	4.903.650	4.903.650	6.462.345	50.755.345
	Operating Costs cash flow profile adjusted for inflation																
	operating costs cash now prome adjusted for installori		2020 (Base	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030	2031	2032	Total
Header	Heading	Item	Costs)	2020	2021	2022		2024			2021	2028			2031	2032	Total
6	Back Office Cost for Monitoring, Data Processing and Charging	Project Management costs	230,000				243,748	249,355	255,090	260,957	266,959	273,099	279,380	285,806	292,379	299,104	2,705,877
6	Back Office Cost for Monitoring, Data Processing and Charging	Processing	800,000				847,821	867,321	887,269	907,676	928,553	949,909	971,757	994,108	1,016,972	1,040,362	9,411,748
6	Back Office Cost for Monitoring, Data Processing and Charging	Staffing (internal)	2,600,000				2,755,417	2,818,792	2,883,624	2,949,947	3,017,796	3,087,205	3,158,211	3,230,850	3,305,159	3,381,178	30,588,179
7	Maintenance	Maintenance	1.000.000				1.059.776	1.084.151	1.109.086	1.134.595	1.160.691	1.187.387	1.214.697	1.242.635	1.271.215	1.300.453	11.764.684
8	Communications, Engagement and Consultation	Marketing	100,000				109,687	112,210	114,790	117,431	120,131	122,895	125,721	128,613	131,571	134,597	1,217,645
8	Communications, Engagement and Consultation	Communications	54,150				105,978	108,415	110,909	113,460	116,069	118,739	121,470	124,263	127,122	130,045	1,176,468
	Monitoring and Evaluation	Air Quality Monitoring	54,150			56,269	57,387	58,707	60,057	61,438	62,851	64,297	65,776	67,289	68,836	70,420	693,327
	Monitoring and Evaluation	Annual Monitoring Costs	16,000			16,626	16,956	17,346	17,745	18,154	18,571	18,998	19,435	19,882	20,339	20,807	204,861
	Monitoring and Evaluation	Traffic Data Collection for Monitoring in 2025	90.000							102.114							102.114
10	Decommissioning Costs	De-commissioning / Removal	1,558,695													2,027,010	2,027,010
		Operating Cost Cash Flow				72,896	5,196,770	5,316,295	5,438,570	5,665,771	5,691,621	5,822,529	5,956,447	6,093,445	6,233,594	8,403,977	59,891,914
	Operating Costs cash flow profile adjusted for inflation and risk																
Header	Heading	Item	2020 (Base Costs)	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030	2031	2032	Total
6	Back Office Cost for Monitoring, Data Processing and Charging	Project Management costs	230,000				243,748	249.355	255.090	260.957	266,959	273.099	279.380	285.806	292.379	299.104	2,705,877
- 6	Back Office Cost for Monitoring, Data Processing and Charging	Processing	800,000				847.821	867.321	887,269	907.676	928.553	949,909	971,757	994,108	1.016.972	1.040.362	9,411,748
6	Back Office Cost for Monitoring, Data Processing and Charging	Staffing (internal)	2.600.000				2.755.417	2.818.792	2.883.624	2.949.947	3.017.796	3.087.205	3.158.211	3.230.850	3.305,159	3.381.178	30.588.179
7	Maintenance	Maintenance	1,000,000				1,059,776	1,084,151	1,109,086	1,134,595	1,160,691	1,187,387	1,214,697	1,242,635	1,271,215	1,300,453	11,764,684
8	Communications, Engagement and Consultation	Marketing	54,150				109.687	112.210	114,790	117,431	120.131	122,895	125,721	128,613	131,571	134.597	1,217,645
8	Communications, Engagement and Consultation	Communications	54,150				105,978	108,415	110,909	113,460	116,069	118,739	121,470	124,263	127,122	130,045	1,176,468
9	Monitoring and Evaluation	Air Quality Monitoring	54,150			56,269	57,387	58,707	60,057	61,438	62,851	64,297	65,776	67,289	68,836	70,420	693,327
9	Monitoring and Evaluation	Annual Monitoring Costs	16.000			16.626	16.956	17.346	17.745	18.154	18.571	18.998	19.435	19.882	20.339	20.807	204.861
	Monitoring and Evaluation	Traffic Data Collection for Monitoring in 2025	90,000							102,114							102,114
10	Decommissioning Costs	De-commissioning / Removal	1,558,695			-	-	-	-							2,027,010	2,027,010
		Operating Cost Cash Flow				72,896	5,196,770	5,316,295	5.438.570	5.665,771	5.691.621	5,822,529	5,956,447	6,093,445	6,233,594	8,403,977	59,891,914

-	Heading	Item	Key lookup	2020 prices	I	Continuency 15%	10 year project	2020 Prices - Whole Project Cost	Company
-	Peacing To Revenue Communication Communicati	Sign Cost	Capital expenditure	2020 Brices 5405 000 00			Value		Commerca  Commerca  Equed on individual site assessment for 67 boundary sites.
1	Z D Bounday ANDS	ANDR Cost	Capital expenditure		£1.282.500.00			1383 623 00 17 374 375 00	posses on individual sea assessment for or possession and individual seasons as a season of the consideration of the undertaken in 2025.  Cost succellar by Sweet or traffic monitoring to be undertaken in 2025.
	Z D Advanced Signing Local Network	Environmental (Vegetation Clearance: Tree Removal)	Capital expenditure	£5,000.00	£2,000,00	£1.500.00		£11,500,00	Stated on Indy-delay assessment for our or
	Z D Advanced Signing Local Network	Traffic Management (Boundary Installation)	Capital expenditure	£122.745.00	C20 686 25				posent on intervalent and account in the Extension value.  Remark on individual with supersymmetric PEP beautings value.
	Z D Advanced Signing Local Network	Local Sers	Capital expenditure	£435,500,00	£100 125 00	E31 843 75	t	EE77 465 75	CONTROL OF THE PROPERTY OF THE
	Z D Advanced Signing Local Nateursk	Traffic Management (Local Signs)	Capital expenditure	£21,750.00	£5.437.50	£4,078,13		£31,265,63	
	7 D Advanced Spring HE Nateroly (Including Captries)	A50 and A500 Sinns		£1.040.000.00					Sased on 2 carrerss per site.
	Z D Advanced Signing HE Network (Including Gantries)	Alternative Control Stone	Capital expenditure	£1.250.000.00			t	£1.795.000.00	MARKO VI A MITTER ON MA
	Z D Advanced Signing HE Network (Including Gantries)	Traffic Management for Signs (HE)	Capital expenditure	£29.500.00	£7.375.00	£5.531.25	t		Potential new centry signs for Shelton New Road
	Z D Advanced Signing HE Network (Including Gantries)	Traffic Management for Gantries (HE)	Capital expenditure	£5.775.00	£1.463.75	£1.082.81		FA 301 56	
	Z D Internal ANPR and Storing	ANDR within CAZ D at 25 Incations (50 ANDR Cameras)	Capital expenditure	F2 591 890 00	0647.977.50	E485 979 38		C1.725.841.88	103 Cemeras hased on induids all site assessment
	k Office Cost for Monitoring, Data Processing and Charging	Setting up back office / Upgrade to systems	Capital expenditure	£2 000 000 00	104131230	£300 000 00		£5 300 000 00	Sound not consider the second of the second
	k Office Cost for Monitoring, Data Processing and Charging	Project Management costs	Operation expenditure	FZ 000 000 00		E200 000 00			Stated on Sect and the Control of th
	A Office Cost for Monitoring, Data Processing and Charging	Programa	Coerating expenditure	\$800,000,00			ER 000 000 00	£8,000,000,00	
	k Office Cost for Monitoring, Data Processing and Charging	Staffing (internal)	Operation expenditure	£2.500,000,00			C25 000 000 00	ESR 000 000 00	Seasof on RCC meta
110	ntenance	Maintenance	Operation expenditure	£1 000 000 00			£10,000,000,00	£10,000,000,00	Based on RCC mate
M		Five year camera replacement costs	Capital expenditure	£3.208.635.00				£3,208,635,00	Based on BCC
o Co		Marketing	Coerating expenditure	00,000,0002		£135,000.00		£1,035,000.00	Based on BCC at circa 900001000000 per annum over 10 years
n Co		Communications	Operation expenditure	£100,000,00			00 000 000 13	£1 000 000 00	Based on rains remaided by City of State Council
2 M	nitoring and Evaluation	Air Quality Monitoring	Operating expenditure	£54,150,00			£595.650.00	£595,650,00	20k per camera. Assumed 153 cameras. TM. Electrical and install costs assumed to be similar to decommissioning
2 M	nitoring and Evaluation	Annual Monitoring Costs	Operating expenditure	£16,000.00			£176,000.00	£176,000.00	Based on orice provided by City of Stoke Council
9 M	nitoring and Evaluation	Traffic Data Collection for Monitoring in 2025	Operating expenditure	£30,000,00				00,000,002	Update from Stoke / N Steff call 29/04/2020
2 Ma	nitoring and Evaluation	Traffic Monitoring Site Installation Costs	Capital expenditure	£125,000.00				£125,000.00	Based on Birmingham City Council OBC. Equal to decommissioning costs.
	commissioning Costs	De-commissioning / Removal	Coerating expenditure	£1.558.695.00				\$1,558,695.00	Sased on BCC Costs
1 51	king Fund	Sinking Fund	Capital expenditure	£1.558.695.00				£1,558,695.00	