

J1. BCRs – Central Growth Scenario

| Analysis of Monetised Costs and Benefits (£000s) | 2007 Option | Option 12 | Option 16 |
|--|---------------|---------------|---------------|
| Greenhouse Gases | 243 | 190 | 34 |
| Economic Efficiency: Consumer Users (Commuting) | 3,512 | 5,766 | 1,484 |
| Economic Efficiency: Consumer Users (Other) | 3,322 | 5,495 | 1,464 |
| Economic Efficiency: Business Users and Providers | 9,464 | 13,394 | 4,474 |
| Wider Public Finances (Indirect Taxation Revenues) | -587 | -500 | -57 |
| Present Value of Benefits (PVB) | 15,954 | 24,345 | 7,399 |
| Broad Transport Budget | 15,558 | 26,268 | 23,834 |
| Present Value of Costs (PVC) | 15,558 | 26,268 | 23,834 |
| OVERALL IMPACTS | | | |
| Net Present Value (NPV) | 396 | -1,923 | -16,435 |
| Benefit to Cost Ratio (BCR) | 1.025 | 0.927 | 0.310 |
| Collision Benefits | 5,187 | 833 | 1,843 |
| Benefit to Cost Ratio (BCR) (including collision benefits) | 1.359 | 0.958 | 0.388 |

J2. Collision Savings – Central Growth Scenario

| Option | Yr | Collisions | | | | | | | | | | | |
|--------|-------|-----------------------|---------|--------|-------|-------------------------|---------|--------|-------|-------------------|---------|--------|-------|
| | | Do-Minimum (Existing) | | | | Do-Something (Proposed) | | | | Collision Savings | | | |
| | | Fatal | Serious | Slight | Total | Fatal | Serious | Slight | Total | Fatal | Serious | Slight | Total |
| 2007 | 2020 | 0 | 3 | 41 | 44 | 0 | 3 | 39 | 42 | 0 | 0 | 2 | 2 |
| | 2035 | 0 | 4 | 42 | 46 | 0 | 4 | 41 | 45 | 0 | 0 | 1 | 1 |
| | 60 yr | 17 | 197 | 2343 | 2557 | 17 | 189 | 2268 | 2474 | 1 | 7 | 75 | 83 |
| 12 | 2020 | 0 | 3 | 41 | 44 | 0 | 3 | 41 | 44 | 0 | 0 | 0 | 0 |
| | 2035 | 0 | 4 | 42 | 46 | 0 | 4 | 42 | 46 | 0 | 0 | 0 | 0 |
| | 60 yr | 17 | 197 | 2343 | 2557 | 17 | 196 | 2325 | 2539 | 0 | 1 | 16 | 17 |
| 16 | 2020 | 0 | 3 | 41 | 44 | 0 | 3 | 40 | 43 | 0 | 0 | 1 | 1 |
| | 2035 | 0 | 4 | 42 | 46 | 0 | 4 | 41 | 45 | 0 | 0 | 1 | 1 |
| | 60 yr | 17 | 197 | 2343 | 2557 | 17 | 195 | 2309 | 2521 | 0 | 2 | 34 | 36 |

J3. Casualty Savings – Central Growth Scenario

| Option | Yr | Casualties | | | | | | | | | | | |
|--------|-------|-----------------------|---------|--------|-------|-------------------------|---------|--------|-------|-------------------|---------|--------|-------|
| | | Do-Minimum (Existing) | | | | Do-Something (Proposed) | | | | Collision Savings | | | |
| | | Fatal | Serious | Slight | Total | Fatal | Serious | Slight | Total | Fatal | Serious | Slight | Total |
| 2007 | 2020 | 0 | 7 | 50 | 57 | 0 | 7 | 48 | 55 | 0 | 0 | 2 | 2 |
| | 2035 | 0 | 7 | 53 | 60 | 0 | 7 | 51 | 58 | 0 | 0 | 2 | 2 |
| | 60 yr | 27 | 392 | 2915 | 3333 | 25 | 379 | 2811 | 3215 | 1 | 13 | 104 | 118 |
| 12 | 2020 | 0 | 7 | 50 | 57 | 0 | 7 | 50 | 57 | 0 | 0 | 0 | 0 |
| | 2035 | 0 | 7 | 53 | 60 | 0 | 7 | 53 | 60 | 0 | 0 | 0 | 0 |
| | 60 yr | 27 | 392 | 2915 | 3333 | 26 | 389 | 2897 | 3313 | 0 | 3 | 16 | 19 |
| 16 | 2020 | 0 | 7 | 50 | 57 | 0 | 7 | 49 | 56 | 0 | 0 | 1 | 1 |
| | 2035 | 0 | 7 | 53 | 60 | 0 | 7 | 52 | 59 | 0 | 0 | 1 | 1 |
| | 60 yr | 27 | 392 | 2915 | 3333 | 26 | 386 | 2879 | 3291 | 0 | 5 | 36 | 42 |