

ROYAL ORDNANCE, BISHOPTON



OUTLINE PLANNING APPLICATION FOR THE REGENERATION
OF THE SITE TO FORM A MIXED USE COMMUNITY GROWTH AREA

APPENDICES TO THE ENVIRONMENTAL STATEMENT

APPENDIX 9.1 **BASELINE TRAFFIC FLOW DATA**

May 2006

Appendix 9.1 – Baseline Traffic Flow Data for 2009, 2015 and 2022

1 Baseline Traffic Flow Data for 2009

| Road Sections | AADT 2009 | Peak Hour 2009 | %HDS | Total LDVs (p/hr) | Total HDVs (p/hr) |
|---------------|-----------|----------------|------|-------------------|-------------------|
| 1 | 4429 | 185 | 4.9 | 175 | 9 |
| 2 | 474 | 20 | 4.9 | 19 | 1 |
| 3 | 32781 | 1366 | 4.9 | 1299 | 67 |
| 4 | 4544 | 189 | 4.9 | 180 | 9 |
| 5 | 0 | 0 | 4.9 | 0 | 0 |
| 6 | 4518 | 188 | 4.9 | 179 | 9 |
| 7 | 5018 | 209 | 4.9 | 199 | 10 |
| 8 | 448 | 19 | 4.9 | 18 | 1 |
| 9 | 6541 | 273 | 4.9 | 259 | 13 |
| 10 | 5875 | 245 | 4.9 | 233 | 12 |
| 11 | 960 | 40 | 4.9 | 38 | 2 |
| 12 | 8832 | 368 | 4.9 | 350 | 18 |
| 13 | 5426 | 226 | 4.9 | 215 | 11 |
| 14 | 10547 | 439 | 4.9 | 418 | 22 |
| 15 | 6528 | 272 | 4.9 | 259 | 13 |
| 16 | 7642 | 318 | 4.9 | 303 | 16 |
| 17 | 0 | 0 | 4.9 | 0 | 0 |
| 18 | 9842 | 410 | 4.9 | 390 | 20 |
| 19 | 0 | 0 | 4.9 | 0 | 0 |
| 20 | 9842 | 410 | 4.9 | 390 | 20 |
| 21 | 0 | 0 | 4.9 | 0 | 0 |
| 22 | 9842 | 410 | 4.9 | 390 | 20 |
| 23 | 17716 | 738 | 4.9 | 702 | 36 |
| 24 | 14869 | 620 | 4.9 | 589 | 30 |
| 25 | 20682 | 862 | 4.9 | 820 | 42 |
| 26 | 3511 | 146 | 4.9 | 139 | 7 |
| 27 | 18342 | 764 | 4.9 | 727 | 37 |
| 28 | 11518 | 480 | 4.9 | 456 | 24 |
| 29 | 15424 | 643 | 4.9 | 611 | 31 |
| 30 | 11149 | 465 | 4.9 | 442 | 23 |
| 31 | 1915 | 80 | 4.9 | 76 | 4 |
| 32 | 10099 | 421 | 4.9 | 400 | 21 |
| 33 | 2662 | 111 | 4.9 | 105 | 5 |
| 34 | 8563 | 357 | 4.9 | 339 | 17 |
| 35 | 3290 | 137 | 4.9 | 130 | 7 |
| 36 | 6502 | 271 | 4.9 | 258 | 13 |
| 37 | 2833 | 118 | 4.9 | 112 | 6 |
| 38 | 1702 | 71 | 4.9 | 67 | 3 |
| 39 | 4735 | 197 | 4.9 | 188 | 10 |
| 40 | 0 | 0 | 4.9 | 0 | 0 |
| 41 | 0 | 0 | 4.9 | 0 | 0 |
| 42 | 0 | 0 | 4.9 | 0 | 0 |
| 43 | 0 | 0 | 4.9 | 0 | 0 |
| 44 | 0 | 0 | 4.9 | 0 | 0 |
| 45 | 0 | 0 | 4.9 | 0 | 0 |
| 46 | 0 | 0 | 4.9 | 0 | 0 |
| 47 | 0 | 0 | 4.9 | 0 | 0 |
| 48 | 0 | 0 | 4.9 | 0 | 0 |
| 49 | 0 | 0 | 4.9 | 0 | 0 |
| 50 | 0 | 0 | 4.9 | 0 | 0 |
| 51 | 6411 | 267 | 4.9 | 254 | 13 |
| 52 | 62861 | 2619 | 4.9 | 2491 | 128 |
| 53 | 57382 | 2391 | 4.9 | 2274 | 117 |

Baseline Traffic Flow Data for 2015

| Road Sections | AADT 2015 | Hourly Flows | %HDVs | Total LDVs (p/hr) | Total HDVs (p/hr) |
|---------------|-----------|--------------|-------|-------------------|-------------------|
| 1 | 2714 | 113 | 4.9 | 108 | 6 |
| 2 | 1250 | 52 | 4.9 | 50 | 3 |
| 3 | 35098 | 1462 | 4.9 | 1391 | 72 |
| 4 | 2829 | 118 | 4.9 | 112 | 6 |
| 5 | 0 | 0 | 4.9 | 0 | 0 |
| 6 | 5376 | 224 | 4.9 | 213 | 11 |
| 7 | 4032 | 168 | 4.9 | 160 | 8 |
| 8 | 798 | 33 | 4.9 | 32 | 2 |
| 9 | 6783 | 283 | 4.9 | 269 | 14 |
| 10 | 4855 | 202 | 4.9 | 192 | 10 |
| 11 | 640 | 27 | 4.9 | 25 | 1 |
| 12 | 6863 | 286 | 4.9 | 272 | 14 |
| 13 | 4402 | 183 | 4.9 | 174 | 9 |
| 14 | 10042 | 418 | 4.9 | 398 | 21 |
| 15 | 8410 | 350 | 4.9 | 333 | 17 |
| 16 | 8286 | 345 | 4.9 | 328 | 17 |
| 17 | 0 | 0 | 4.9 | 0 | 0 |
| 18 | 9563 | 398 | 4.9 | 379 | 20 |
| 19 | 0 | 0 | 4.9 | 0 | 0 |
| 20 | 9563 | 398 | 4.9 | 379 | 20 |
| 21 | 0 | 0 | 4.9 | 0 | 0 |
| 22 | 9563 | 398 | 4.9 | 379 | 20 |
| 23 | 12864 | 536 | 4.9 | 510 | 26 |
| 24 | 11066 | 461 | 4.9 | 438 | 23 |
| 25 | 15229 | 635 | 4.9 | 603 | 31 |
| 26 | 4921 | 205 | 4.9 | 195 | 10 |
| 27 | 18509 | 771 | 4.9 | 733 | 38 |
| 28 | 16486 | 687 | 4.9 | 653 | 34 |
| 29 | 16192 | 675 | 4.9 | 642 | 33 |
| 30 | 16230 | 676 | 4.9 | 643 | 33 |
| 31 | 12454 | 519 | 4.9 | 494 | 25 |
| 32 | 11238 | 468 | 4.9 | 445 | 23 |
| 33 | 2726 | 114 | 4.9 | 108 | 6 |
| 34 | 8589 | 358 | 4.9 | 340 | 18 |
| 35 | 4948 | 206 | 4.9 | 196 | 10 |
| 36 | 4966 | 207 | 4.9 | 197 | 10 |
| 37 | 4877 | 203 | 4.9 | 193 | 10 |
| 38 | 1690 | 70 | 4.9 | 67 | 3 |
| 39 | 3750 | 156 | 4.9 | 149 | 8 |
| 40 | 0 | 0 | 4.9 | 0 | 0 |
| 41 | 0 | 0 | 4.9 | 0 | 0 |
| 42 | 0 | 0 | 4.9 | 0 | 0 |
| 43 | 0 | 0 | 4.9 | 0 | 0 |
| 44 | 0 | 0 | 4.9 | 0 | 0 |
| 45 | 0 | 0 | 4.9 | 0 | 0 |
| 46 | 0 | 0 | 4.9 | 0 | 0 |
| 47 | 0 | 0 | 4.9 | 0 | 0 |
| 48 | 0 | 0 | 4.9 | 0 | 0 |
| 49 | 0 | 0 | 4.9 | 0 | 0 |
| 50 | 0 | 0 | 4.9 | 0 | 0 |
| 51 | 4979 | 207 | 4.9 | 197 | 10 |
| 52 | 67302 | 2804 | 4.9 | 2667 | 137 |
| 53 | 61440 | 2560 | 4.9 | 2435 | 125 |

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Baseline Traffic Flow Data for 2022

| Road Sections | AADT 2022 | Hourly Flows | %HDVs | Total LDVs | Total HDVs |
|---------------|-----------|--------------|-------|------------|------------|
| 1 | 4736 | 197 | 4.9 | 188 | 10 |
| 2 | 512 | 21 | 4.9 | 20 | 1 |
| 3 | 37133 | 1547 | 4.9 | 1471 | 76 |
| 4 | 5120 | 213 | 4.9 | 203 | 10 |
| 5 | 0 | 0 | 4.9 | 0 | 0 |
| 6 | 5107 | 213 | 4.9 | 202 | 10 |
| 7 | 5670 | 236 | 4.9 | 225 | 12 |
| 8 | 499 | 21 | 4.9 | 20 | 1 |
| 9 | 7398 | 308 | 4.9 | 293 | 15 |
| 10 | 6630 | 276 | 4.9 | 263 | 14 |
| 11 | 1075 | 45 | 4.9 | 43 | 2 |
| 12 | 10010 | 417 | 4.9 | 397 | 20 |
| 13 | 6158 | 257 | 4.9 | 244 | 13 |
| 14 | 11955 | 498 | 4.9 | 474 | 24 |
| 15 | 6938 | 289 | 4.9 | 275 | 14 |
| 16 | 8653 | 361 | 4.9 | 343 | 18 |
| 17 | 0 | 0 | 4.9 | 0 | 0 |
| 18 | 8653 | 361 | 4.9 | 343 | 18 |
| 19 | 0 | 0 | 4.9 | 0 | 0 |
| 20 | 8653 | 361 | 4.9 | 343 | 18 |
| 21 | 0 | 0 | 4.9 | 0 | 0 |
| 22 | 8653 | 361 | 4.9 | 343 | 18 |
| 23 | 20083 | 837 | 4.9 | 796 | 41 |
| 24 | 16838 | 702 | 4.9 | 667 | 34 |
| 25 | 23461 | 978 | 4.9 | 930 | 48 |
| 26 | 3963 | 165 | 4.9 | 157 | 8 |
| 27 | 20672 | 861 | 4.9 | 819 | 42 |
| 28 | 12595 | 525 | 4.9 | 499 | 26 |
| 29 | 17498 | 729 | 4.9 | 693 | 36 |
| 30 | 12634 | 526 | 4.9 | 501 | 26 |
| 31 | 2141 | 89 | 4.9 | 85 | 4 |
| 32 | 11456 | 477 | 4.9 | 454 | 23 |
| 33 | 3021 | 126 | 4.9 | 120 | 6 |
| 34 | 9702 | 404 | 4.9 | 384 | 20 |
| 35 | 3725 | 155 | 4.9 | 148 | 8 |
| 36 | 7360 | 307 | 4.9 | 292 | 15 |
| 37 | 3205 | 134 | 4.9 | 127 | 7 |
| 38 | 1869 | 78 | 4.9 | 74 | 4 |
| 39 | 5360 | 223 | 4.9 | 212 | 11 |
| 40 | 0 | 0 | 4.9 | 0 | 0 |
| 41 | 0 | 0 | 4.9 | 0 | 0 |
| 42 | 0 | 0 | 4.9 | 0 | 0 |
| 43 | 0 | 0 | 4.9 | 0 | 0 |
| 44 | 0 | 0 | 4.9 | 0 | 0 |
| 45 | 0 | 0 | 4.9 | 0 | 0 |
| 46 | 0 | 0 | 4.9 | 0 | 0 |
| 47 | 0 | 0 | 4.9 | 0 | 0 |
| 48 | 0 | 0 | 4.9 | 0 | 0 |
| 49 | 0 | 0 | 4.9 | 0 | 0 |
| 50 | 0 | 0 | 4.9 | 0 | 0 |
| 51 | 6362 | 265 | 4.9 | 252 | 13 |
| 52 | 71232 | 2968 | 4.9 | 2823 | 145 |
| 53 | 65024 | 2709 | 4.9 | 2577 | 133 |