



City of Vaughan Ward Boundary Review Preliminary Ward Boundary Options





Introduction

The City of Vaughan has been reviewing its ward boundaries which were established in 2009. A ward is a geographical division of a city or town for administrative or political purposes. The City's population is diverse and has increased significantly since 2009 and the City wants to make sure that the wards still reflect the populations and the residents of Vaughan of today and of tomorrow.

The overall objective of a ward boundary review is to establish fair and equitable representation of the citizens at the city council table.

Has this growth changed the population balance among the wards? Have the communities within Vaughan changed enough that the electoral wards need to be adjusted?

The consultants that were hired to conduct the review think that the City and its residents should consider looking at alternative ward boundaries and have designed some preliminary options for review.



Preliminary Options

The consultants have prepared 3 preliminary options that are contained in this booklet. In each option, the maps show the wards in colour blocked areas. There are some features added to help you recognize features within each ward, such as major roadways and rail lines.

A population table for each option has also been provided that provides a summary of population by wards for both 2021 (existing population) and 2030 (projected population).

The tables also show the average ward population and how far from the average, each individual ward's population is (variance). An 'optimal' range for each ward is also identified based on the guiding principle of population parity that ward populations should strive to be within +/- 25% of the average. The tables correspond to the legend included below.

| Symbol | Description | Variance | 2021 Population Range | 2030 Population Range |
|--------|--------------------------|----------|-----------------------|-----------------------|
| OR+ | Outside Range - High | 25% | 85,013 | 102,225 |
| O+ | Above Optimal | 5% | 71,411 | 85,869 |
| O | Optimal Population Range | - | 68,010 | 81,780 |
| O- | Below Optimal | -5% | 64,610 | 77,691 |
| OR- | Outside Range - Low | -25% | 51,008 | 61,335 |





How were the Preliminary Options designed?

The existing ward system and any preliminary options designed by the consultants are evaluated against a set of guiding principles that have been established for this review. The guiding principles are provided for reference on the following page.

The consultants have provided examples (Test Option 1 and 2) in this document to illustrate how ward boundary designs can incorporate or prioritize one guiding principle into a design somewhat easily but that other guiding principles can be negatively impacted as a result.

For example, in Test Option 1 the boundaries are clean and identifiable but there is no population parity amongst the wards. In Test Option 2, the population distribution is very good but there is little attention paid to communities of interest and some boundaries cut right through the middle of some neighborhoods.

Viable ward boundary designs should attempt to reflect and balance as many of the guiding principles as possible.





Guiding Principles

The following principles were used to evaluate the existing ward structure and subsequent alternative options:

- 1 REPRESENTATION BY POPULATION**
Ensure that every Councillor represents an equal number of constituents while allowing for some variation
 - 2 FUTURE POPULATION TRENDS**
Consider projected growth and population shifts over three election cycles
 - 3 PHYSICAL AND NATURAL BOUNDARIES**
Ensure ward boundaries are recognizable and where possible use permanent or natural features
 - 4 RECOGNITION OF COMMUNITIES OF INTEREST**
Recognize community groupings and try to keep them intact
- EFFECTIVE REPRESENTATION**
Evaluate the capacity of each ward to give residents an effective voice in decision making

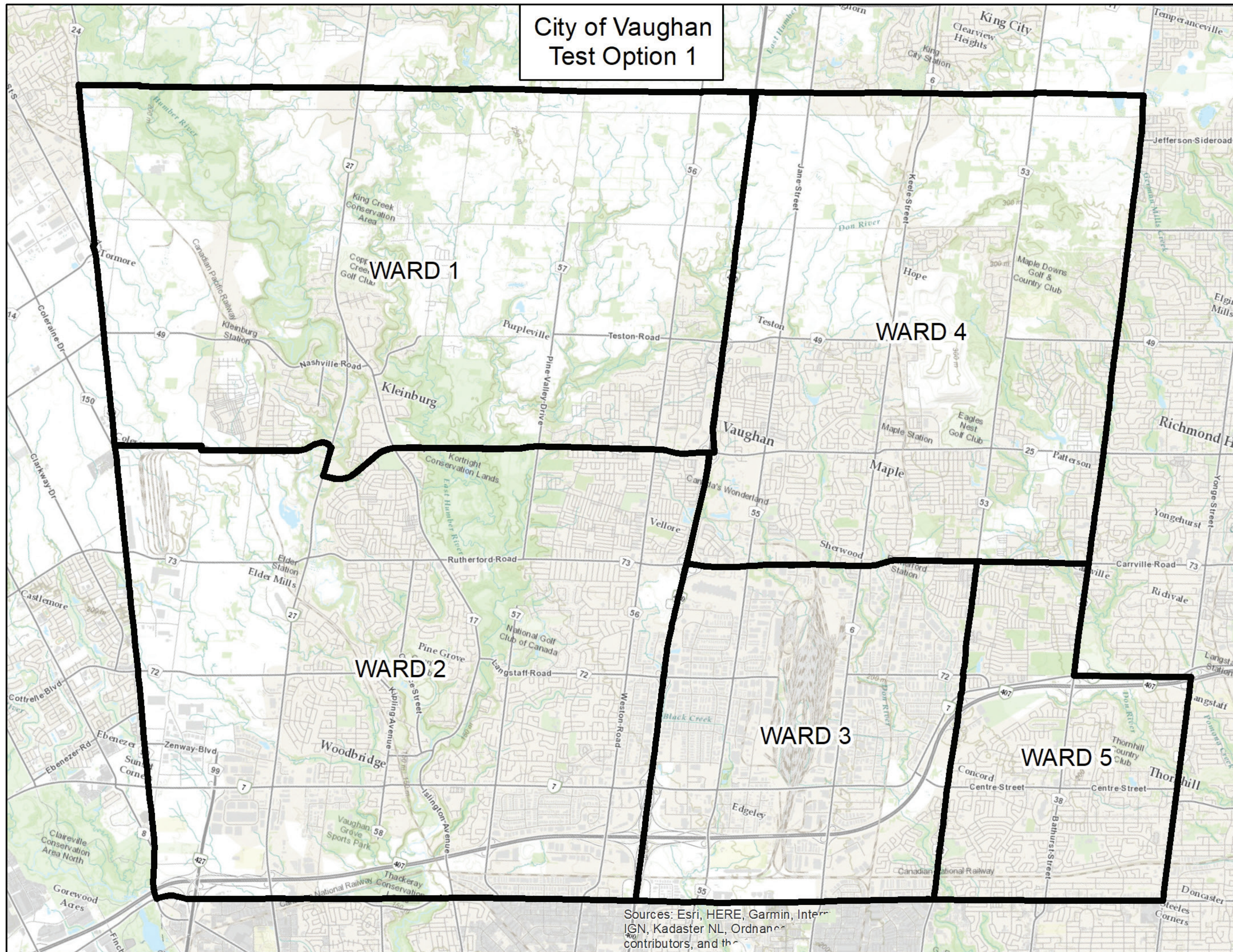




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Test Option 1

 Clean Lines

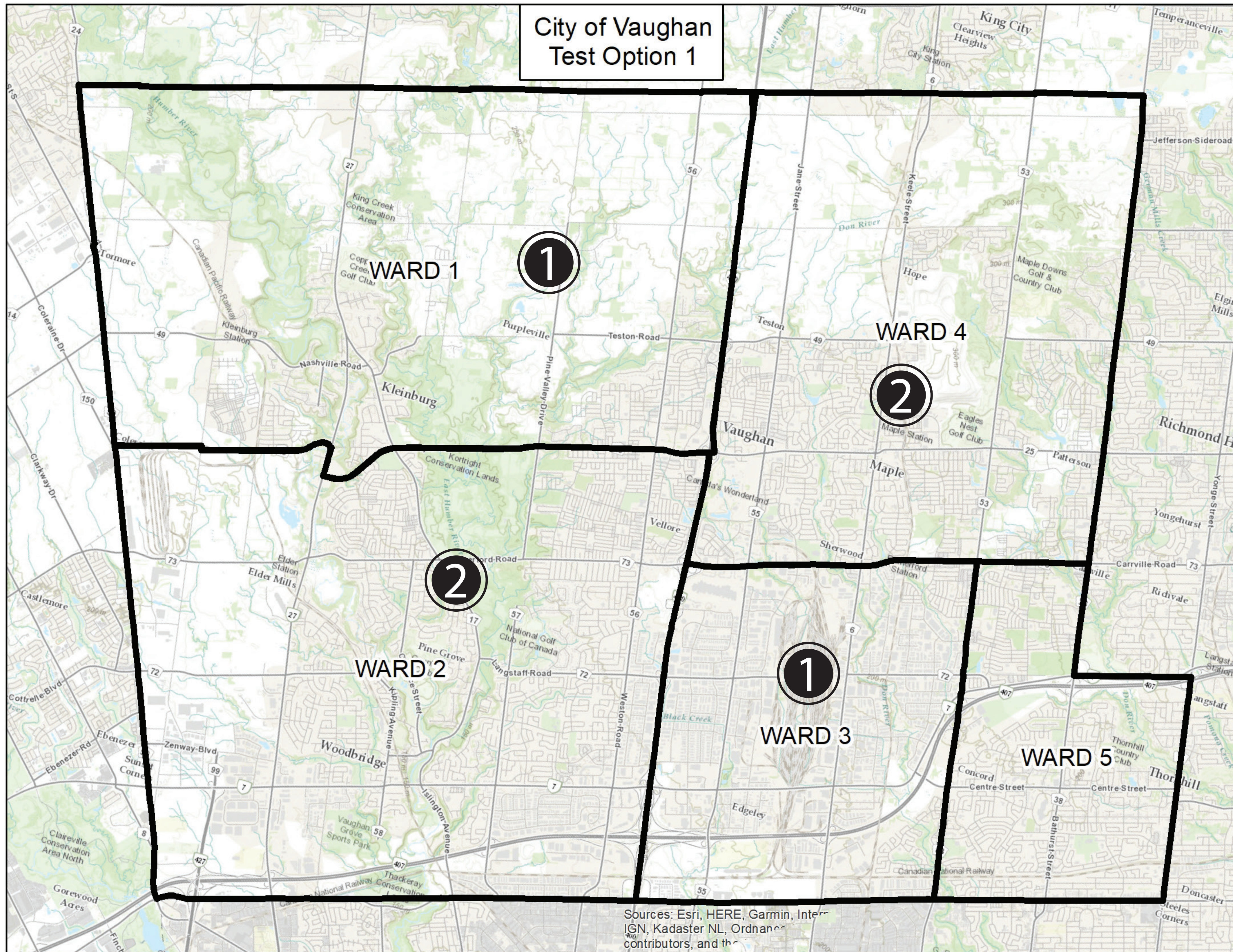




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Test Option 1

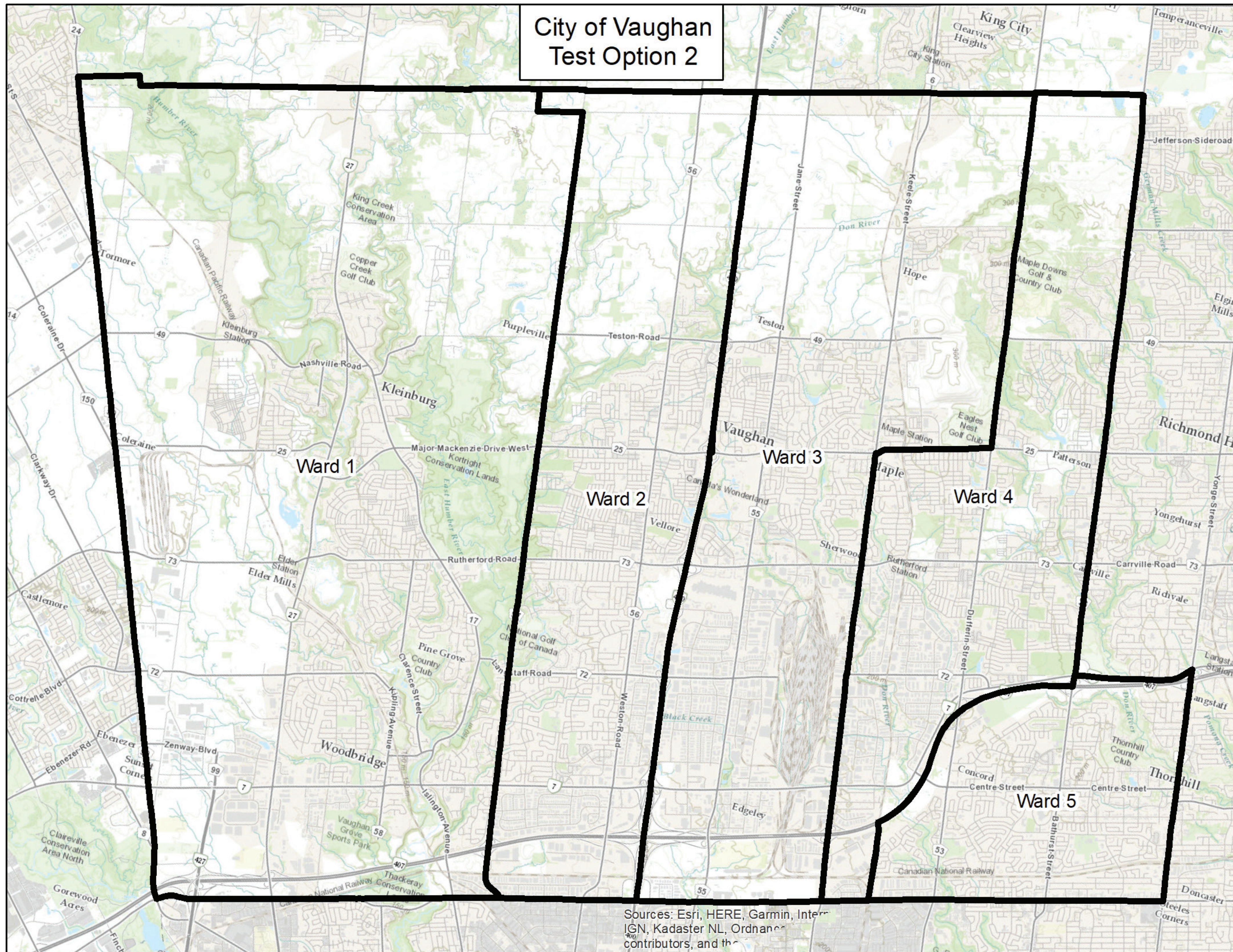
Clean Lines

- 1** Population well below parity, less than 50% variance.
- 2** Population well above parity, greater than 135% variance.

| Ward | 2021 Total Population ¹ | 2021 Population Variance | Optimal Range |
|----------------------|------------------------------------|--------------------------|---------------|
| Test Option 1 | | | |
| Ward 1 | 31,690 | 0.47 | OR- |
| Ward 2 | 110,790 | 1.63 | OR+ |
| Ward 3 | 21,850 | 0.32 | OR- |
| Ward 4 | 94,420 | 1.39 | OR+ |
| Ward 5 | 81,280 | 1.20 | O+ |
| City-wide | 340,000 | | |
| Ward Average | 68,010 | | |

Sources: Esri, HERE, Garmin, Intermap, IGN, Kadaster NL, Ordnance Survey, and the





Test Option 2

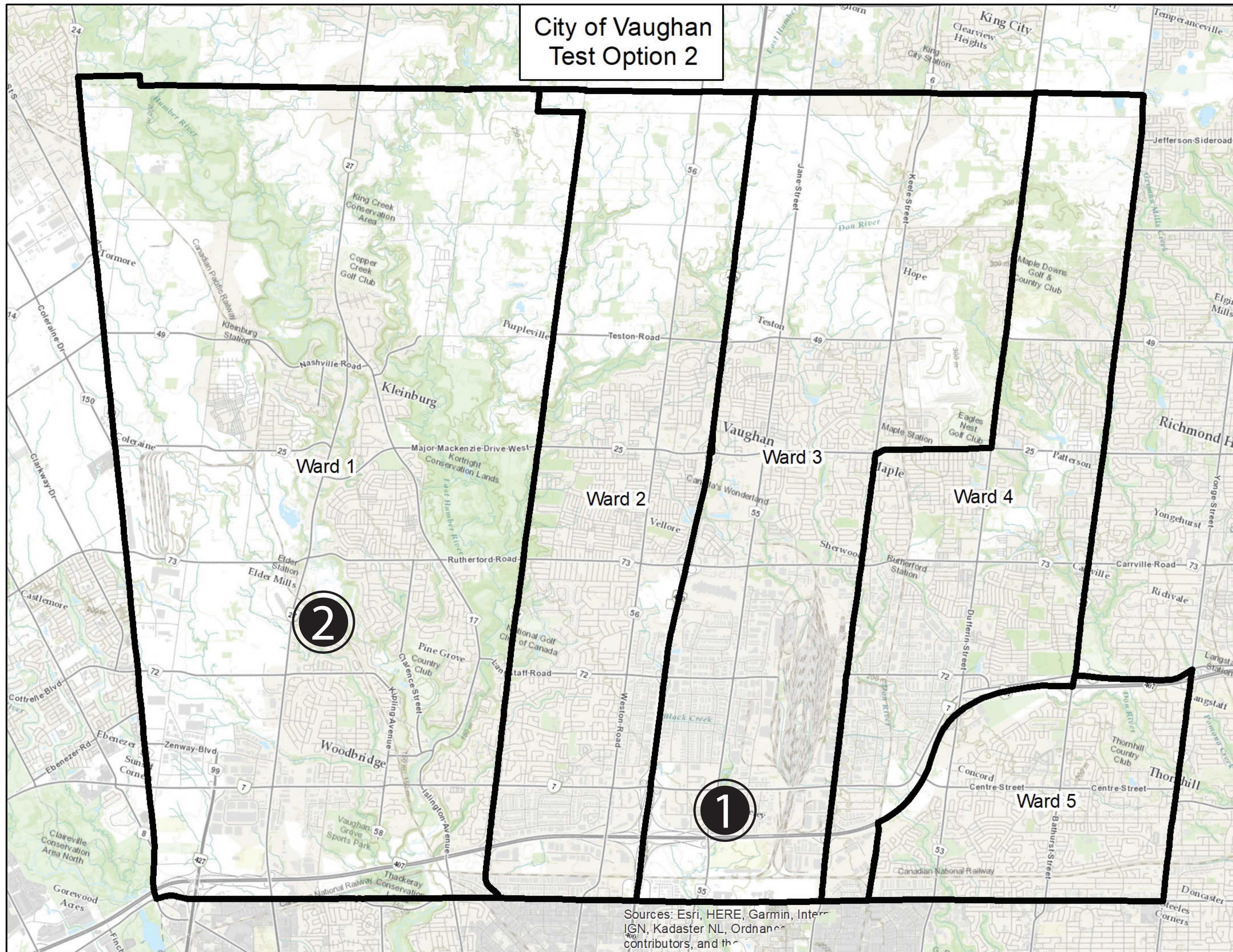
 Population Parity

| Ward | 2021 Total Population ¹ | 2021 Population Variance | Optimal Range |
|----------------------|------------------------------------|--------------------------|---------------|
| Test Option 2 | | | |
| Ward 1 | 72,020 | 1.06 | O+ |
| Ward 2 | 70,460 | 1.04 | O |
| Ward 3 | 63,770 | 0.94 | O- |
| Ward 4 | 65,130 | 0.96 | O |
| Ward 5 | 68,660 | 1.01 | O |
| City-wide | 340,000 | | |
| Ward Average | 68,010 | | |

Source: Watson & Associates Economists Ltd.

1. Includes Census undercount of approximately 3.0%.





Sources: Esri, HERE, Garmin, Intermap, IGN, Kadaster NL, Ordnance Survey, and the

Test Option 2

Population Parity

- ① Both the VMC and part of the Maple community reside within the same ward.
- ② Both the Woodbridge and Kleinburg communities reside within the same ward.

| Ward | 2021 Total Population ¹ | 2021 Population Variance | Optimal Range |
|----------------------|------------------------------------|--------------------------|---------------|
| Test Option 2 | | | |
| Ward 1 | 72,020 | 1.06 | O+ |
| Ward 2 | 70,460 | 1.04 | O |
| Ward 3 | 63,770 | 0.94 | O- |
| Ward 4 | 65,130 | 0.96 | O |
| Ward 5 | 68,660 | 1.01 | O |
| City-wide | 340,000 | | |
| Ward Average | 68,010 | | |

Source: Watson & Associates Economists Ltd.

1. Includes Census undercount of approximately 3.0%.

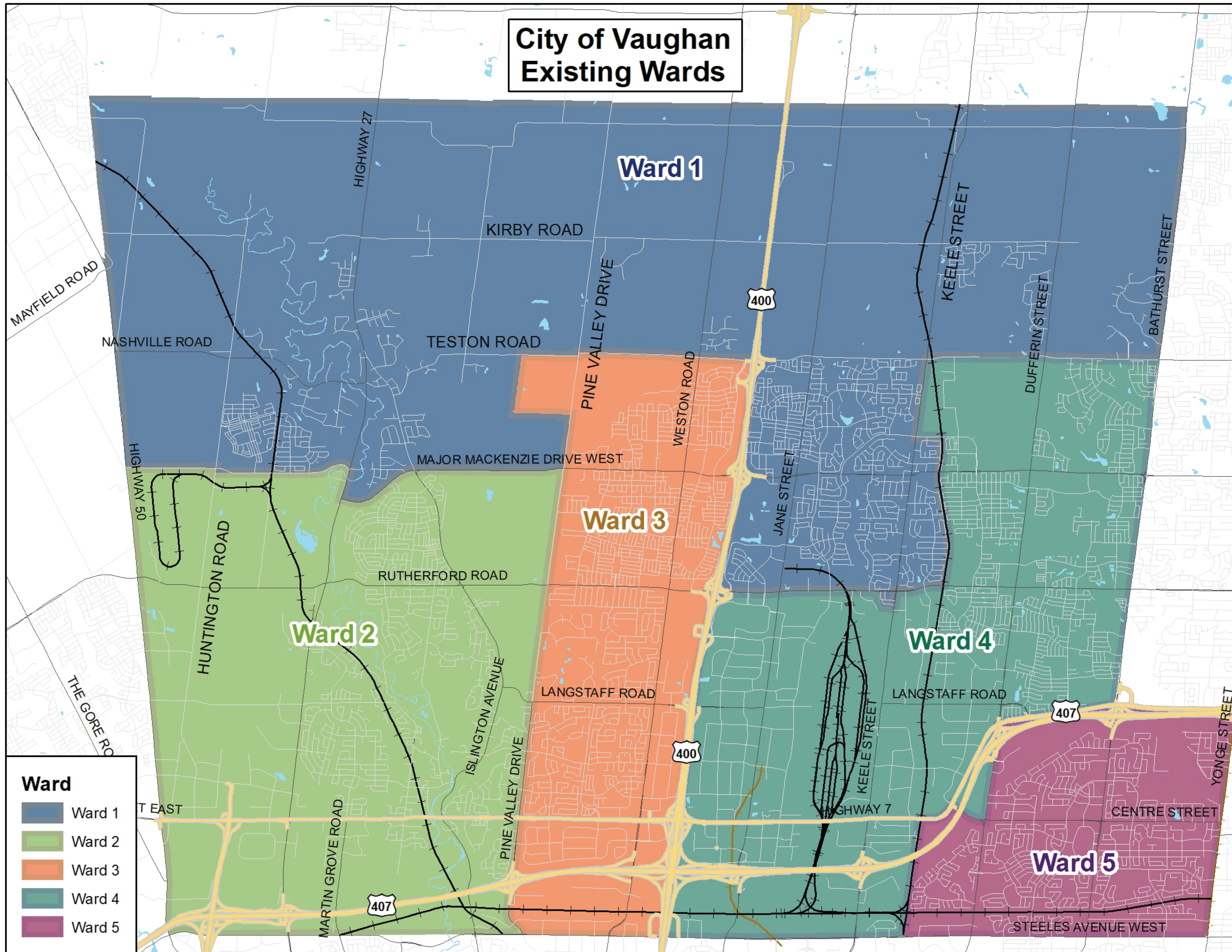




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Existing Ward Map

- Large Ward 1 crosses over HWY 400.
- Portion on the east side of HWY 400 down to Rutherford Dr contained within Ward 1.
- VMC and part of the Maple community both reside within Ward 4.

| Ward | 2021 Total Population ¹ | 2021 Population Variance | Optimal Range | 2030 Total Population ¹ | 2030 Population Variance | Optimal Range |
|-----------------------|------------------------------------|--------------------------|---------------|------------------------------------|--------------------------|---------------|
| Existing Wards | | | | | | |
| Ward 1 | 77,420 | 1.14 | O+ | 110,300 | 1.35 | OR+ |
| Ward 2 | 56,200 | 0.83 | O- | 61,570 | 0.75 | O- |
| Ward 3 | 69,910 | 1.03 | O | 77,860 | 0.95 | O |
| Ward 4 | 67,850 | 1.00 | O | 88,220 | 1.08 | O+ |
| Ward 5 | 68,660 | 1.01 | O | 70,950 | 0.87 | O- |
| City-wide | 340,000 | | | 408,900 | | |
| Ward Average | 68,010 | | | 81,780 | | |

Source: Watson & Associates Economists Ltd. 2021.

Note: Numbers have been rounded

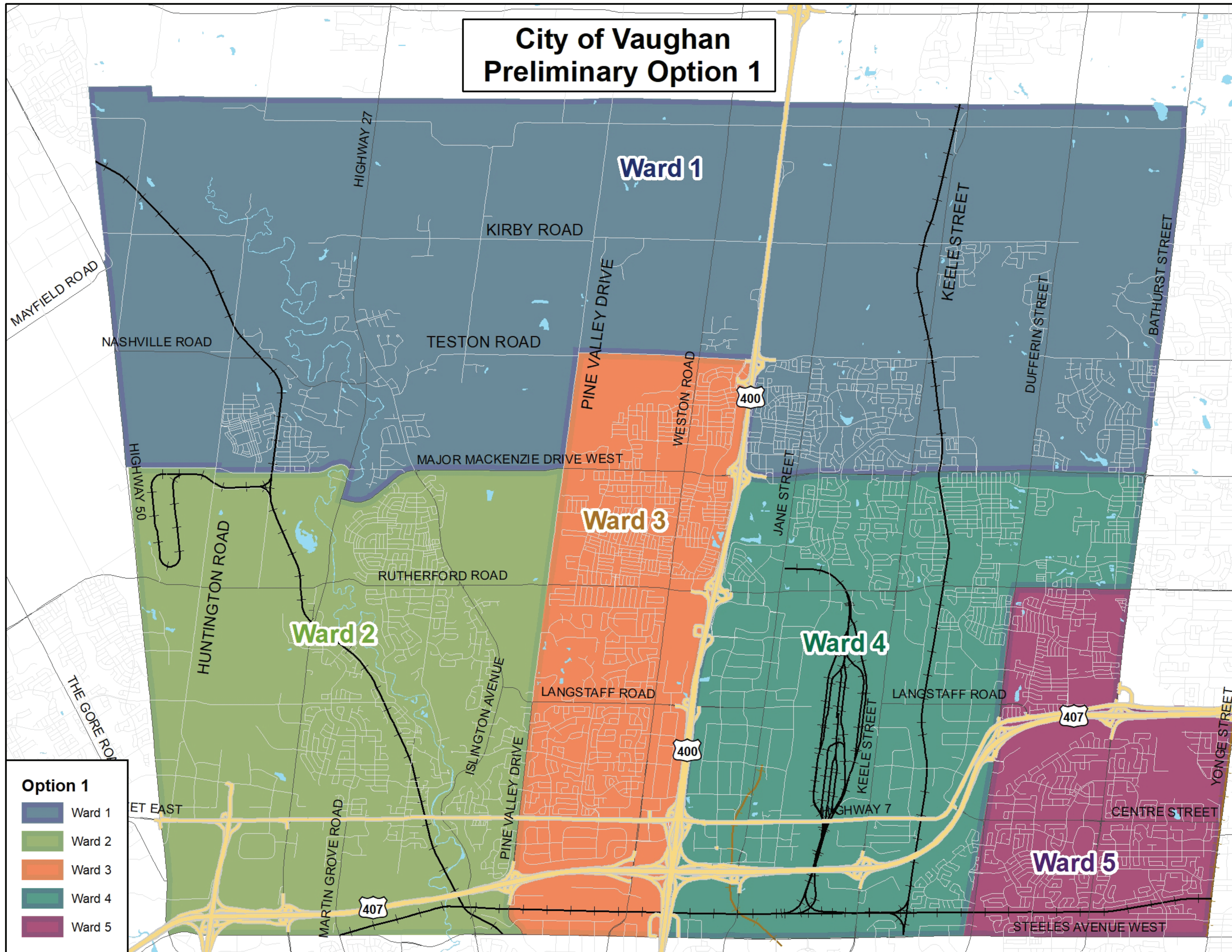




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Ward Boundary Review



Preliminary Option 1

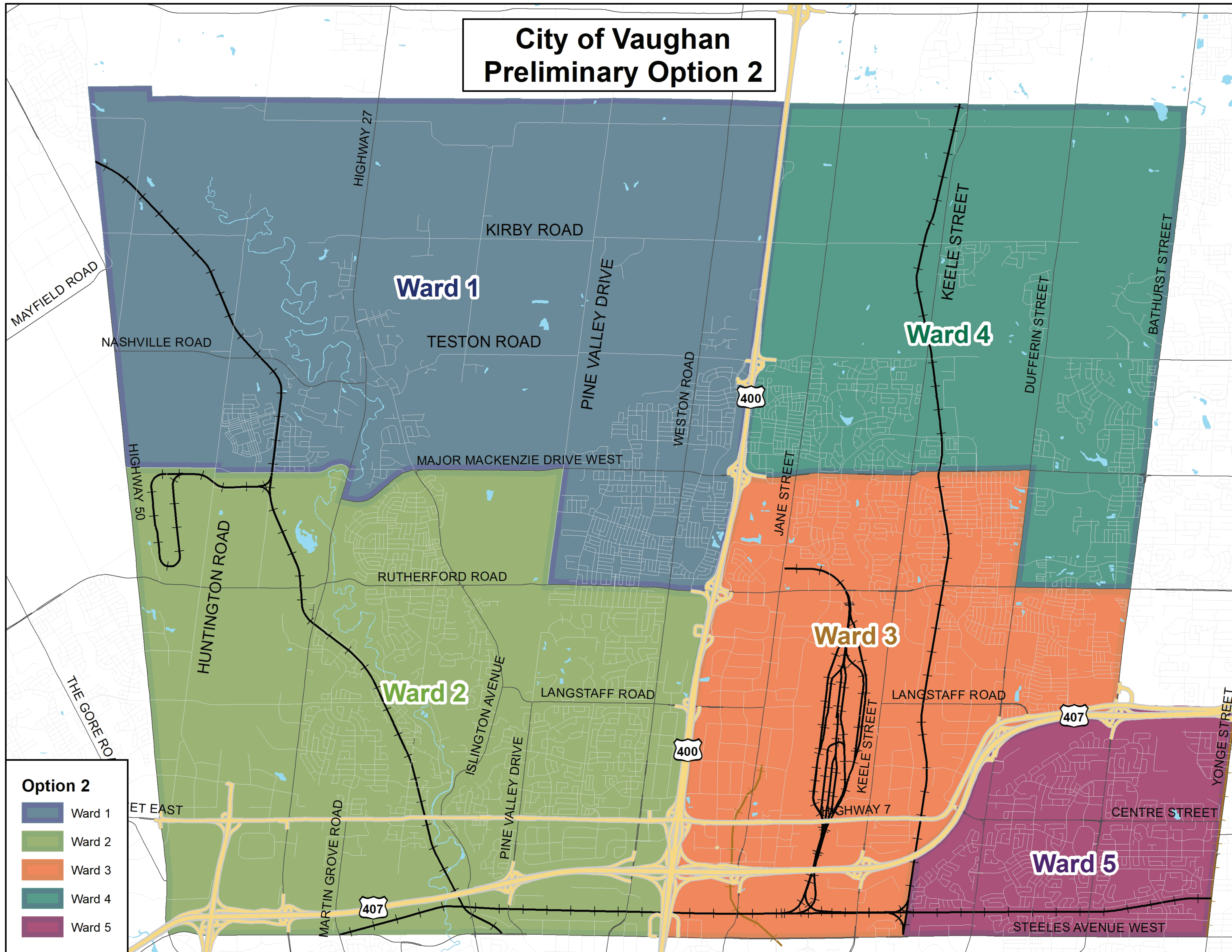
- Minimal change option.
- Large Ward 1 crosses over HWY 400.
- Better long-term population parity.

| Ward | 2021 Total Population ¹ | 2021 Population Variance | Optimal Range | 2030 Total Population ¹ | 2030 Population Variance | Optimal Range |
|-----------------------------|------------------------------------|--------------------------|---------------|------------------------------------|--------------------------|---------------|
| Preliminary Option 1 | | | | | | |
| Ward 1 | 65,470 | 0.96 | O | 101,250 | 1.24 | O+ |
| Ward 2 | 56,200 | 0.83 | O- | 61,570 | 0.75 | O- |
| Ward 3 | 69,740 | 1.03 | O | 75,160 | 0.92 | O- |
| Ward 4 | 67,340 | 0.99 | O | 87,130 | 1.07 | O+ |
| Ward 5 | 81,280 | 1.20 | O+ | 83,770 | 1.02 | O |
| City-wide | 340,000 | | | 408,900 | | |
| Ward Average | 68,010 | | | 81,780 | | |

Source: Watson & Associates Economists Ltd. 2021.

Note: Numbers have been rounded





Preliminary Option 2

- Ward 1 contained entirely on the west side of HWY 400.
- Population parity for both 2021 and 2030.
- West portion of residents between Rutherford Rd and Major Mackenzie Dr would reside within Ward 2.

| Ward | 2021 Total Population ¹ | 2021 Population Variance | Optimal Range | 2030 Total Population ¹ | 2030 Population Variance | Optimal Range |
|-----------------------------|------------------------------------|--------------------------|---------------|------------------------------------|--------------------------|---------------|
| Preliminary Option 2 | | | | | | |
| Ward 1 | 62,140 | 0.91 | O- | 91,590 | 1.12 | O+ |
| Ward 2 | 80,340 | 1.18 | O+ | 86,670 | 1.06 | O+ |
| Ward 3 | 69,480 | 1.02 | O | 89,070 | 1.09 | O+ |
| Ward 4 | 59,410 | 0.87 | O- | 70,620 | 0.86 | O- |
| Ward 5 | 68,660 | 1.01 | O | 70,950 | 0.87 | O- |
| City-wide | 340,000 | | | 408,900 | | |
| Ward Average | 68,010 | | | 81,780 | | |

Source: Watson & Associates Economists Ltd. 2021.

Note: Numbers have been rounded

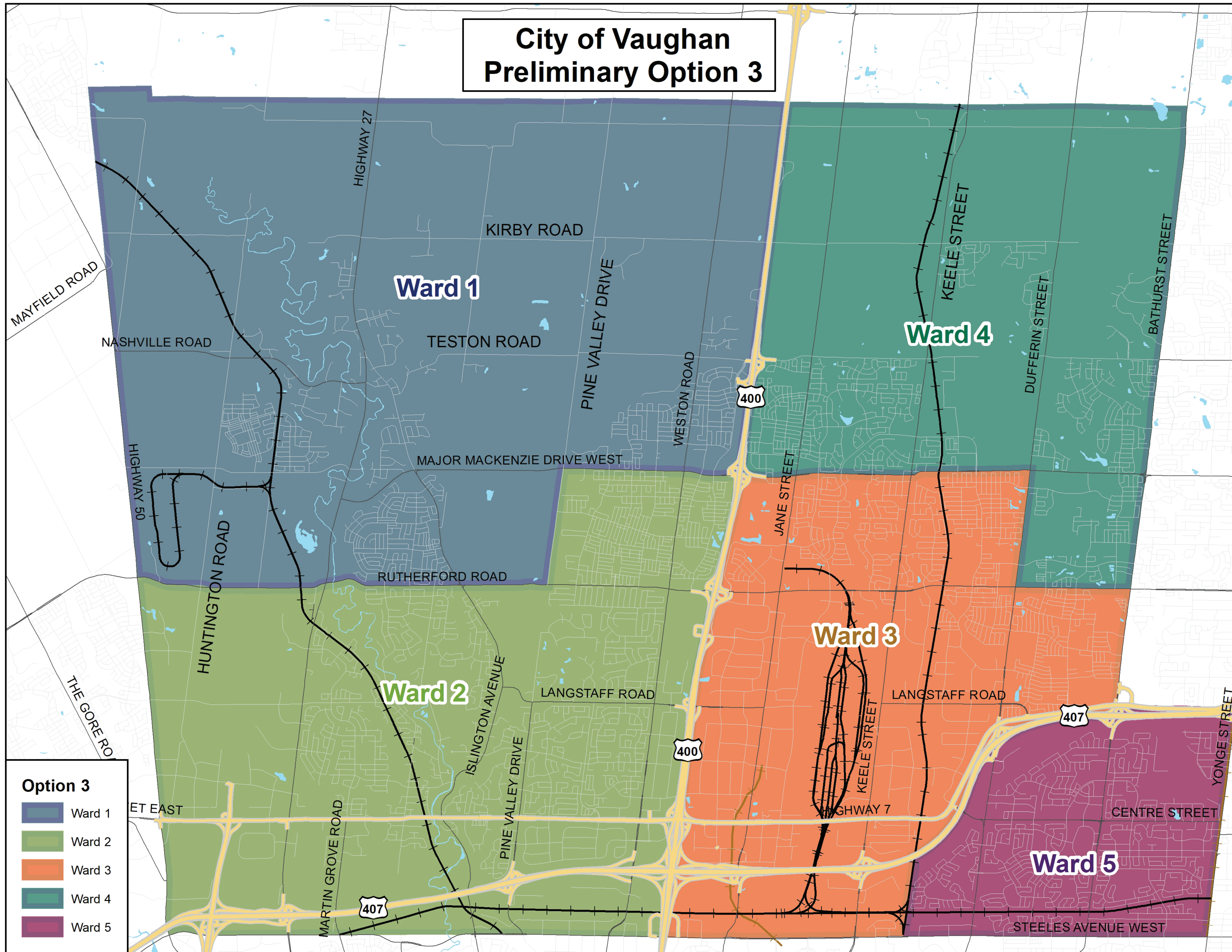




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Preliminary Option 3

- Ward 1 contained entirely on the west side of HWY 400.
- Wards 1 and 2 grow into population parity.
- West portion of residents between Rutherford Rd and Major Mackenzie Dr would reside within Ward 1.

| Ward | 2021 Total Population ¹ | 2021 Population Variance | Optimal Range | 2030 Total Population ¹ | 2030 Population Variance | Optimal Range |
|-----------------------------|------------------------------------|--------------------------|---------------|------------------------------------|--------------------------|---------------|
| Preliminary Option 3 | | | | | | |
| Ward 1 | 47,180 | 0.69 | OR- | 76,430 | 0.93 | O- |
| Ward 2 | 95,300 | 1.40 | OR+ | 101,830 | 1.25 | O+ |
| Ward 3 | 69,480 | 1.02 | O | 89,070 | 1.09 | O+ |
| Ward 4 | 59,410 | 0.87 | O- | 70,620 | 0.86 | O- |
| Ward 5 | 68,660 | 1.01 | O | 70,950 | 0.87 | O- |
| City-wide | 340,000 | | | 408,900 | | |
| Ward Average | 68,010 | | | 81,780 | | |

Source: Watson & Associates Economists Ltd. 2021.

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