Where is Olathe, Kansas?

Midwest Region

Kansas City Metro Area
Olathe Stats & Demographics

Olathe's Developed Land Use (Acres)

- Residential: 19% (3,425 acres)
- Commercial: 13% (2,303 acres)
- Office: 8% (1,545 acres)
- Industrial: 8% (1,457 acres)
- Park: 2% (288 acres)
- Public/Semi-public: 50% (9,365 acres)
Olathe Stats & Demographics

Continued...

Olathe’s Total Acreage by Zoning (2002)

- Residential: 19,489 (59%)
- Commercial: 2,712 (8%)
- Office: 4,512 (13%)
- Industrial: 615 (2%)
- Agricultural: 6,125 (18%)
Olathe Stats & Demographics

Continued...

Olathe’s Average Home Values (1997-2002)
Olathe Stats & Demographics

Continued...

Olathe's Population Growth (1950-2010)

Year

Population

0 20,000 40,000 60,000 80,000 100,000 120,000 140,000


5,170 10,021 17,921 37,258 63,440 92,962 106,544 124,936

2010
Olathe Stats & Demographics
Continued...

Olathe's Age Distribution

<table>
<thead>
<tr>
<th>Age Group</th>
<th>Population</th>
</tr>
</thead>
<tbody>
<tr>
<td>Under 5</td>
<td>0</td>
</tr>
<tr>
<td>5 to 9</td>
<td>2,000</td>
</tr>
<tr>
<td>10 to 14</td>
<td>4,000</td>
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<tr>
<td>15 to 19</td>
<td>6,000</td>
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<tr>
<td>20 to 24</td>
<td>8,000</td>
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<tr>
<td>25 to 34</td>
<td>10,000</td>
</tr>
<tr>
<td>35 to 44</td>
<td>12,000</td>
</tr>
<tr>
<td>45 to 54</td>
<td>14,000</td>
</tr>
<tr>
<td>55 to 59</td>
<td>16,000</td>
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<tr>
<td>60 to 64</td>
<td>18,000</td>
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<td>65 to 74</td>
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<td>75 to 84</td>
<td>8,000</td>
</tr>
<tr>
<td>Over 85</td>
<td>0</td>
</tr>
</tbody>
</table>
Olathe Addressing Background

One Word—"Awful"

- Standards Set
  - Johnson County Addressing Guidelines
    - Has "no teeth" in Olathe
    - Ordinance being created for adoption

- 2 Main Addressing Systems:
  - Kansas City Metro Grid
    - 4 or 5 digit (i.e. 13500 S Black Bob Rd)
    - Directionals: S or W only
    - Olathe is the only Johnson Co. city to use "S" directional.
  - Historical Olathe Grid
    - 3 or 4 digit (i.e. 100 W Santa Fe St or 100 E Santa Fe St)
    - Directionals: N, S, E, or W

Cause: Urban Sprawl
Address Verification Project

DETAILS

Workforce
- Nine (9) Interns

Time Allotted
- From May to August of 2002

Two (2) Vehicles
- “Red Baron”: red ‘?? Chrysler
- “Green Monster”: green ’92 Ford Tempo

Technology Used
- ArcGIS printed maps
- ArcIMS editing application
Address Verification Project

DETAILS (Continued...)

Statistics:

- Researched over 44,000 address points
- Utilized Cheap Labor
  - 9 Interns Total
  - 3 Teams of 3 Interns
- 3 Day Cycle
  - Day 1: Field Verification → Residential
  - Day 2: Field Verification → Nonresidential
  - Day 3: Indoor Data Input using ArcIMS
Address Verification Project

PROCESS

1. Print Field Maps
   - Based off _ mile x _ mile grid originated from PLSS 1 mile x 1 mile sections
   - Included Property Lines, Street Centerlines, Buildings, Natural Features, and Addresses

2. Field Verification
   - Confirm Addresses
     - Bounce physical numbers posted on buildings with address points on hard map
     - Residential, Commercial, and Industrial uses
   - Confirm Street Name Signs
     - Prove physical signs match street centerline labels on hard maps
   - Confirm Speed Limit Signs
     - In collaboration with future ArcView 3.x RouteSmart software implementation
   - Hand-wrote corrections onto hard map
Address Verification Project

**PROCESS (Continued...)**

3. **Indoor Data Input**
   - Employed ArcIMS editing application
     - Written by in-house GIS programmer
   - Updated Address GIS layer
     - Edited existing point
     - Added newly-needed point
   - Updated Street Sign GIS layer
     - Edited existing point
     - Added newly-needed point

4. **Hard Map Post-Markup**
   - “X”-ed out corrected data
     - Edited or Added Addresses
     - Street Signs
   - Circled Questions for Addressing full-time staff
Address Verification Project

RESULTS

- Cleanest Address GIS Layer Olathe has ever known
  - 98 to 99% "Hit"
    - Before, this same figure was around 75%, if you were lucky

- Able to compare other address tables within City of Olathe to Address GIS layer
  - Customer Service (Utilities Division) data

- Justification to hire Full-Time Addressing GIS Technician
  - Employee completely dedicated to all things considered addressing within City of Olathe