

# City of Littleton, CO

Reference  
**Kathleen D. Osher**, (Director of Community Service)

Turnaround Time  
**45 Days**

Technical Challenge  
**High**

Prime Consultant  
**enCodePlus**

## Background

Too often, zoning ordinances are written without knowing the true effects of the regulations. Only after “bad” development occurs is there a stark realisation that they were ineffective. This has led to ever-changing ordinances and more demanding standards and processes and a host of other confusing acronyms. The recently released ArcGIS Urban came to the rescue.

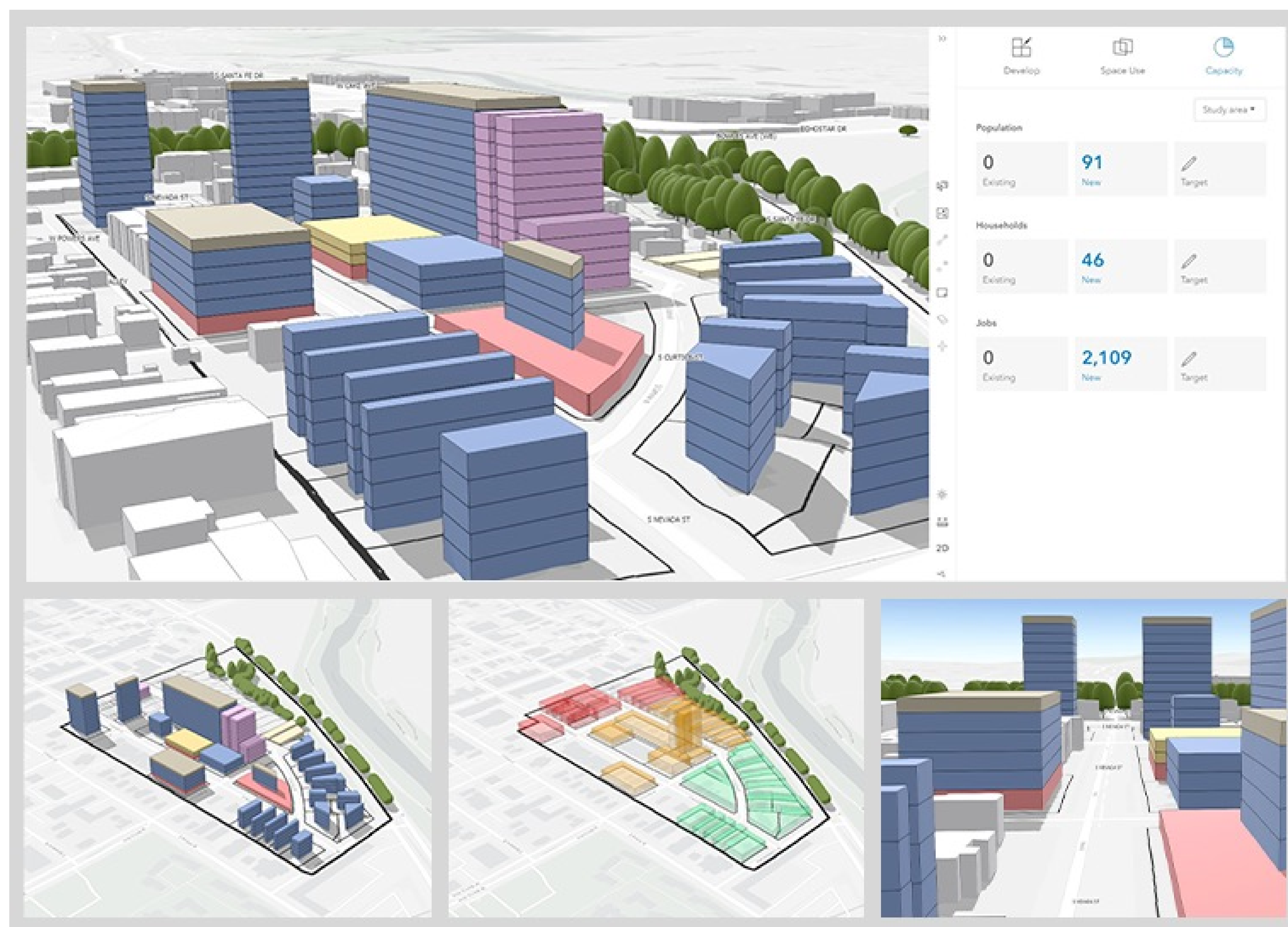
## Problem

Like many growing cities, City of Littleton, CO was facing one of the long-standing problems about how to translate large area proposals with land uses, zoning ordinances, and population requirements into localized, site-specific scenarios.

- **Accurate Visualisation and Analysis**  
With ongoing growth pressure and need for structured development, the City of Littleton needs faster, reliable, and more accurate visualisation and analysis tools.
- **Implement 3D Tools**  
The City recognises how the power of 3D visualisations, web-based tools, and spatial analysis tools would integrate all into a single digital platform.

## Summary

ArcGIS Urban is a comprehensive GIS tool servicing the needs of Planners. Esri's flagship tool for Zoning and Scenario Planning, Urban provides a 3D immersive experience so Planners can instantly visualise projects in the local context, utilise location intelligence to connect visual and to make better decisions and quantitative concepts for a detailed zoning analysis.



## Solutions

As a certified Esri ArcGIS Urban Deployment partner, ViewPro helped the City of Littleton with ArcGIS Urban solution that could keep any city official or resident aware of the changing cityscape.

- Urban with its 3D technology has been highly effective in helping lay citizens – and staff - to visualise how new regulations and standards apply and will affect the intended outcomes.
- Redevelopment scenarios were tested to solicit input as to the appropriateness of height and scale, massing and placement, as well as the application of building and district transitions.
- Urban allowed realistic buildings generated in Sketch Up to be imported to the model, which helped not only as a visualisation tool but also helped the City staff planners in crafting new regulations.
- Urban application is simple to interact where users can explore where these proposed developments/changes are located in a 3D rendered map and can also see what this project will look like – procedurally generating game-like views of scenarios that show how the city will look if the project comes to fruition.
- City Planners have more control over the level of detail of the project visualisations, structure massing, shaped facades, structure setbacks, and true representation of zoning setbacks.



Esri Software Used



Esri Technical Specialties

**GEOZONE**

ViewPro Product Used