

Enterprise Address System for Palm Beach County, Florida

Palm Beach Countywide GIS Forum

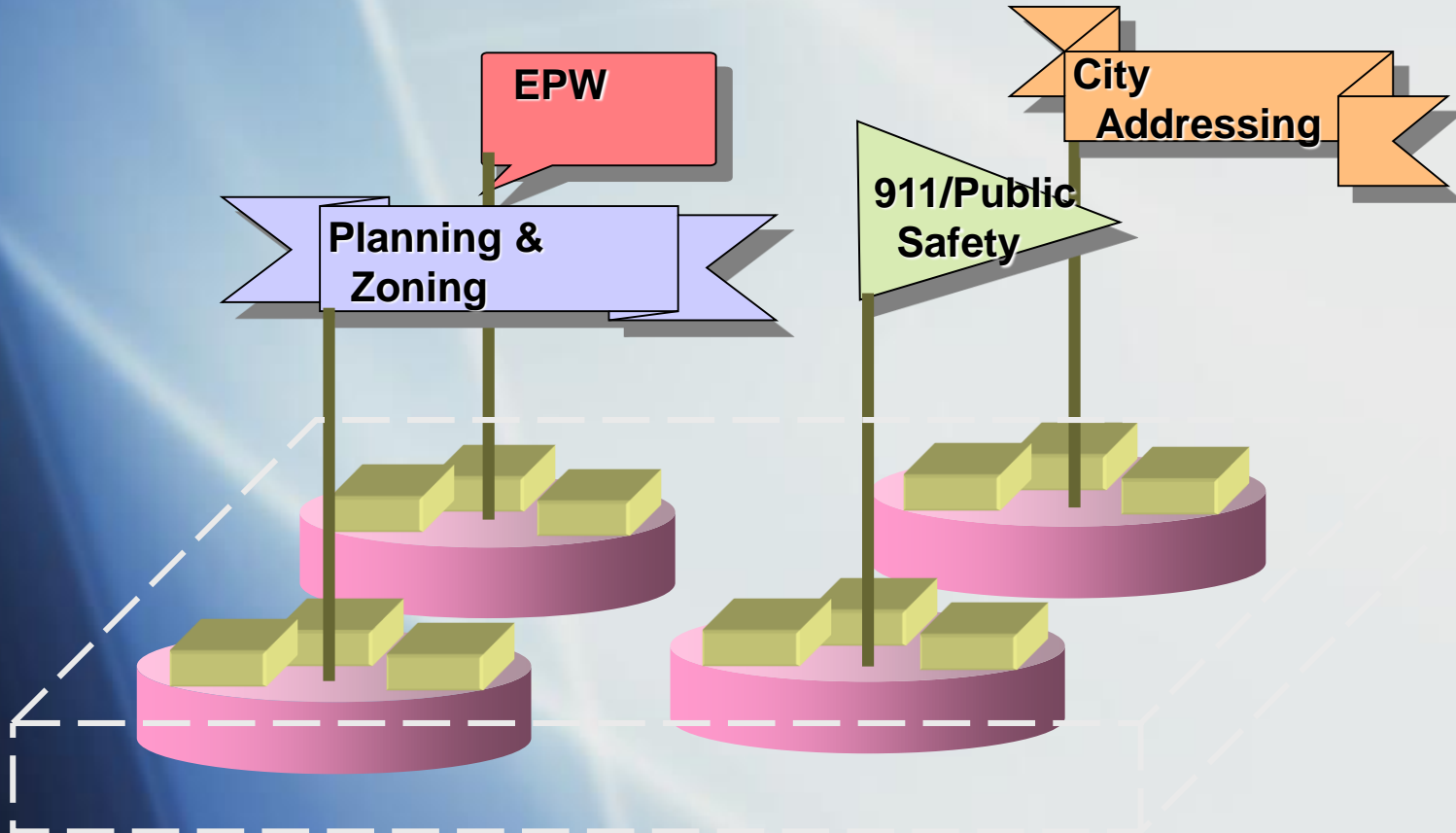
October 18th, 2006

presented by:

Kelly Ratchinsky, PBC Countywide GIS Coordinator

Current Countywide Addressing Environment

[Islands of Address Data and Business Functionality]

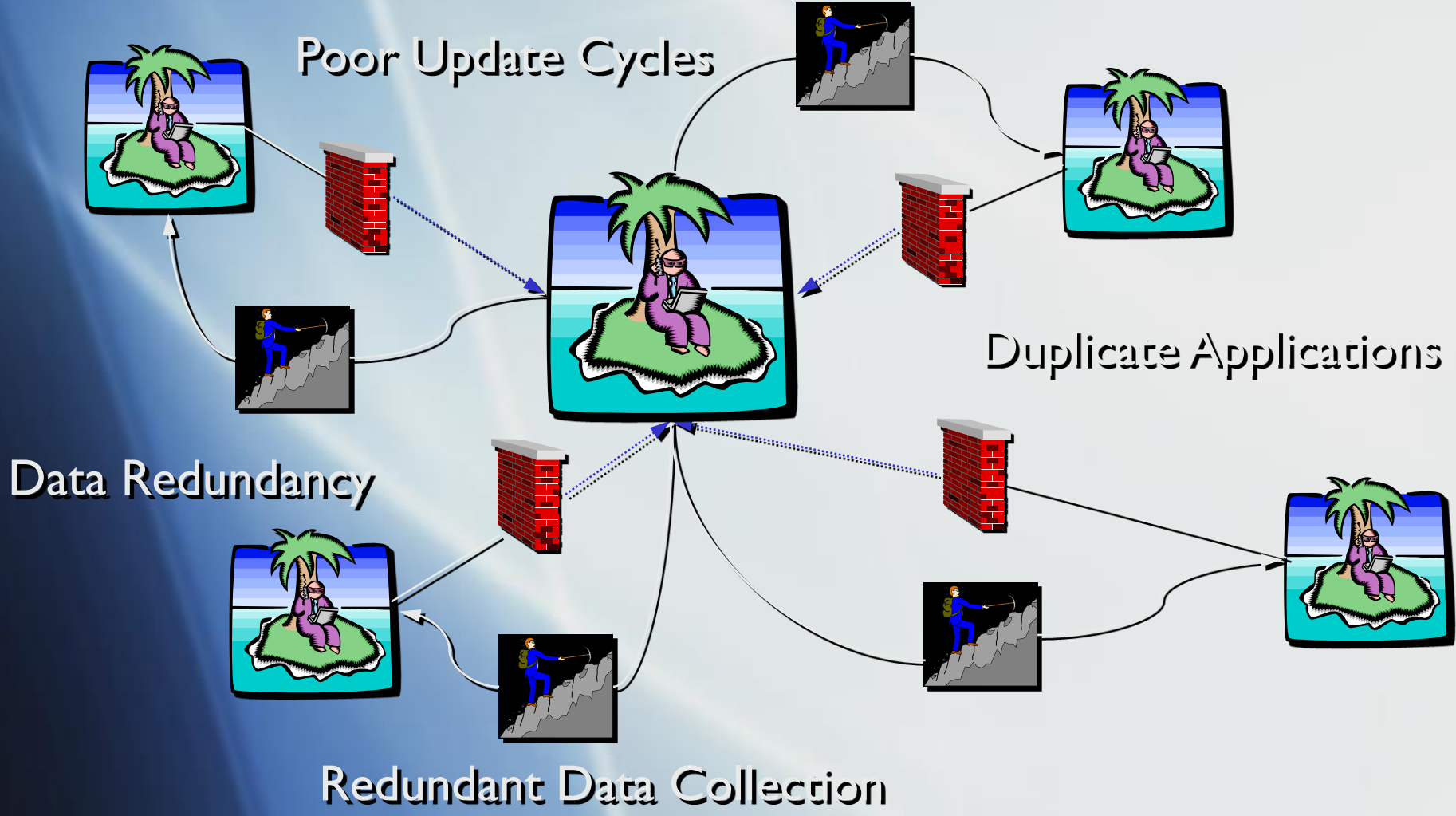


**Address Custodians - Mgmt
Responsibilities**

Interoperable & Integrated System Design

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[Why Develop Interoperable and Integrated Address Systems?]



[Interoperable Design]

Data Producers



Planning



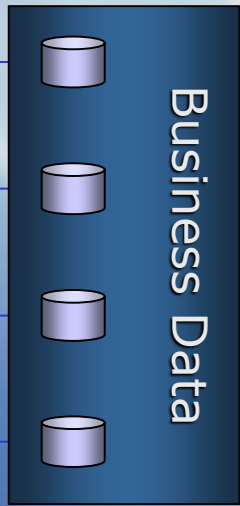
9-1-1



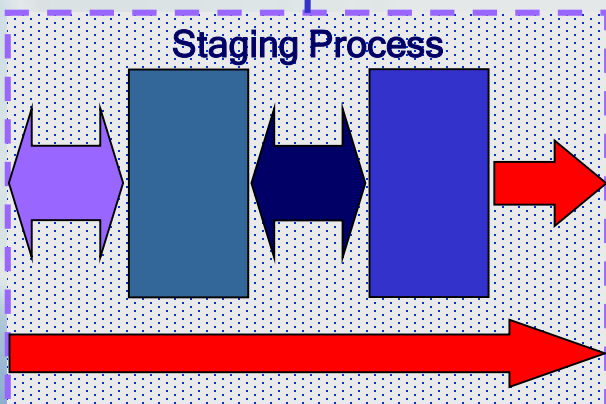
Engineering



Cities?



System Administrator(s)



Data Users



Appraiser



Planning

Specific Analysis Systems



MSAG

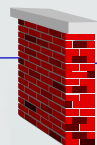


Permitting



Public Access

Internet



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[Integrated Design]

Data Producers



Planning



9-1-1

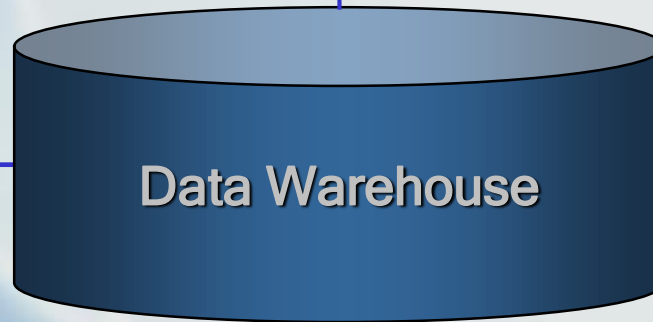


Engineering



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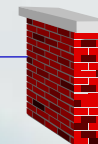


Permitting



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[EAS Project Objectives]

- Design and implement an Enterprise Address System (EAS) that is:
 - Automated
 - Standardized
 - Current
 - Coordinated
 - Interoperable/Integrate
 - Accessible (to all users)
- Leverage existing accomplishments
- Participant education and vesting

[Assessment Findings]

- PZB handles street name and address assignment and associated records maintenance
 - focus on unincorporated areas of County
 - Existing Applications and Database
- EPW maintains GIS street centerlines and address ranges (theoretical)
 - ArcGIS - Transportation Geodatabase model
- 9-1-1 MSAG Maintenance
 - Address range records that span multiple intersections
 - Bell South and Intrado major MSAG partners
- Working relationships with municipalities for street name and address assignment reporting. In the future, optimize these relationships to create interoperable & integrated addressing systems between the City and County.

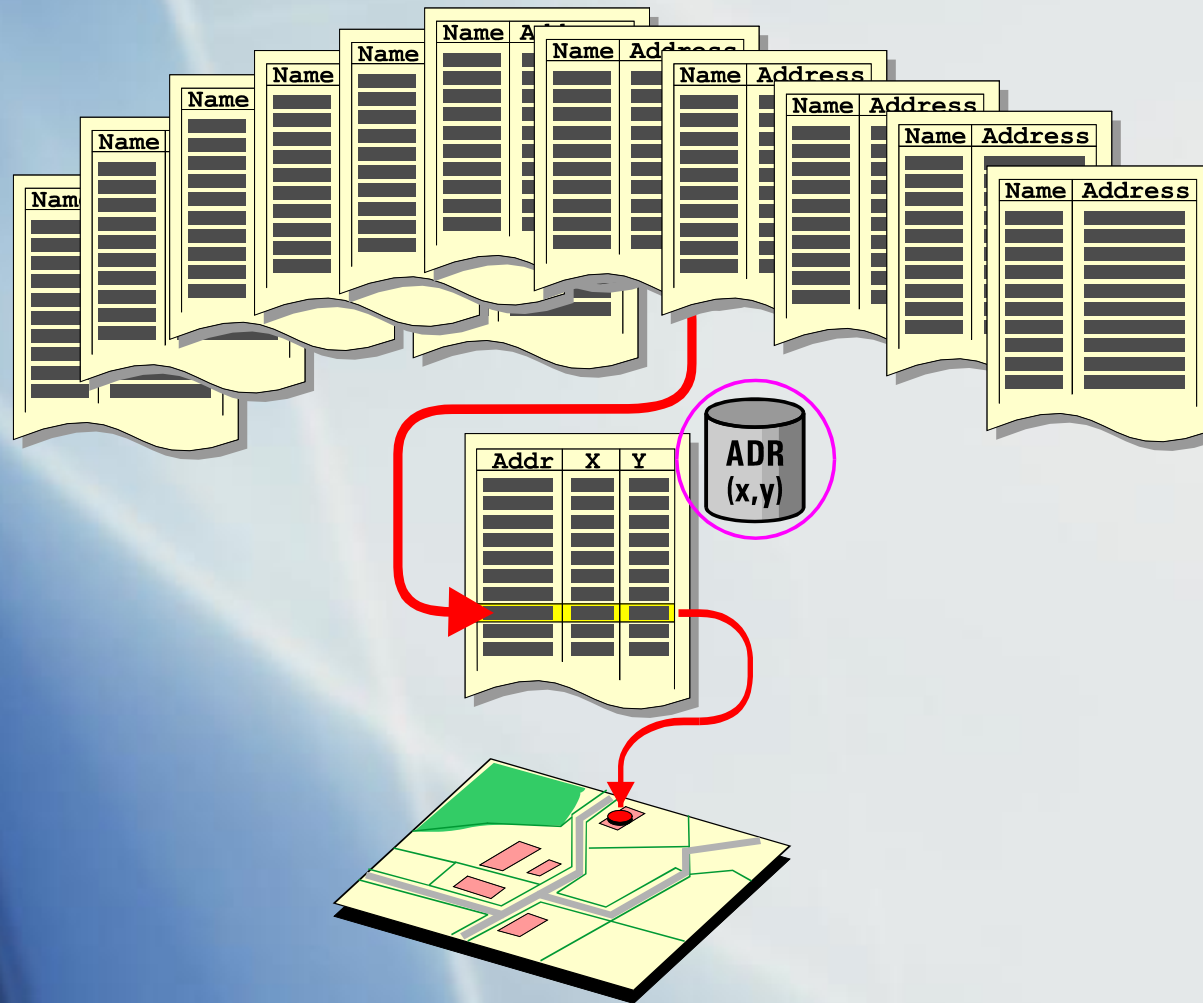
[Key Issues]

- Parcel centric representation of situs address location
- Municipal address data in ePZB system becoming dated
- Municipal annexation reporting
- Significant time spent chasing changes from multiple sources
- Redundant physical storage of address record information
- EPW intersection-based address ranges differ from 9-1-1 ranges
- Technology changes will impact existing systems
- Data Inconsistencies between situs addresses, epzb addresses, city addresses, E911 address ranges, centerline street names and ranges...

Technology and Data Design Dimensions

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[Database Design]



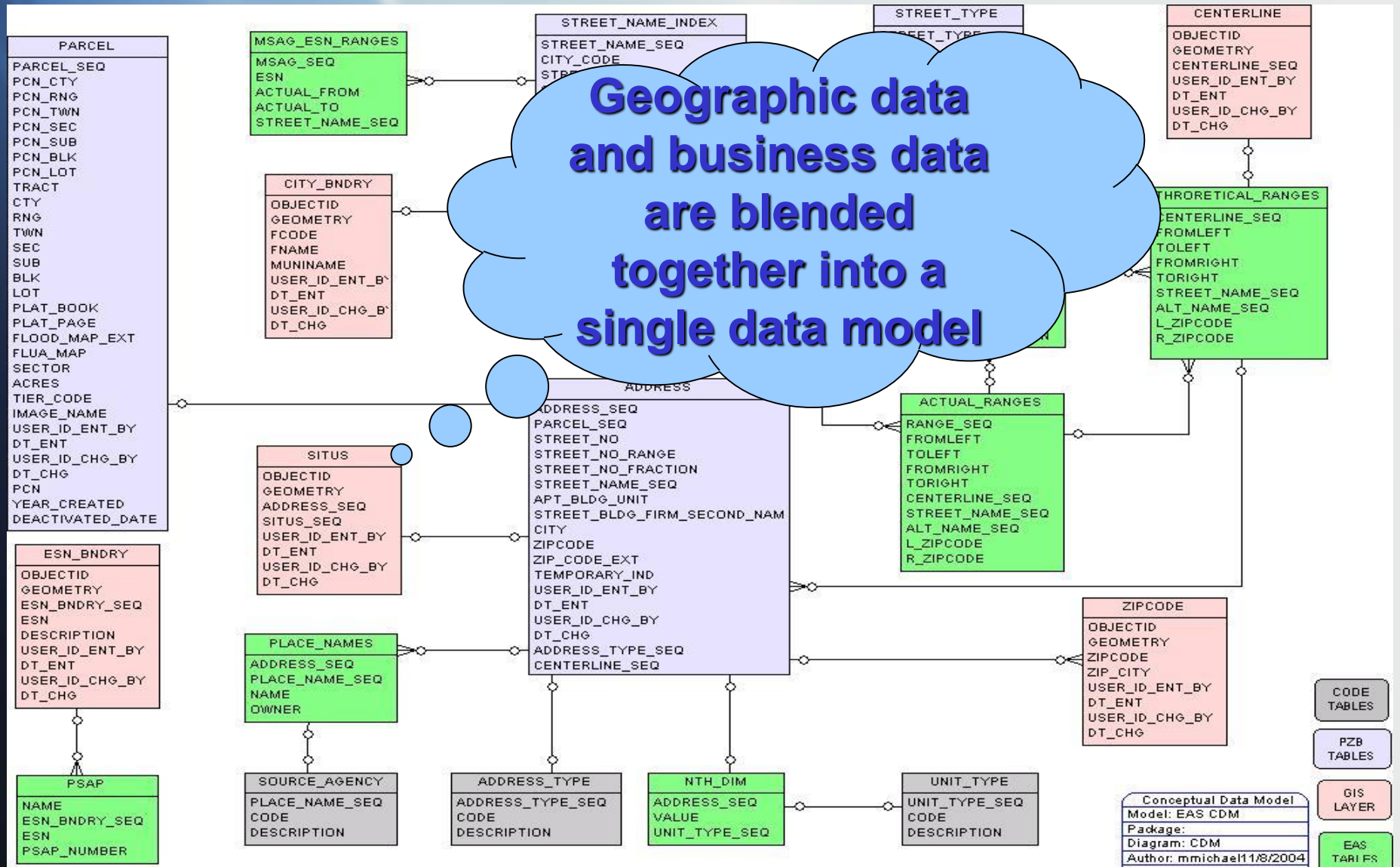
[Why Location Based Addresses?]



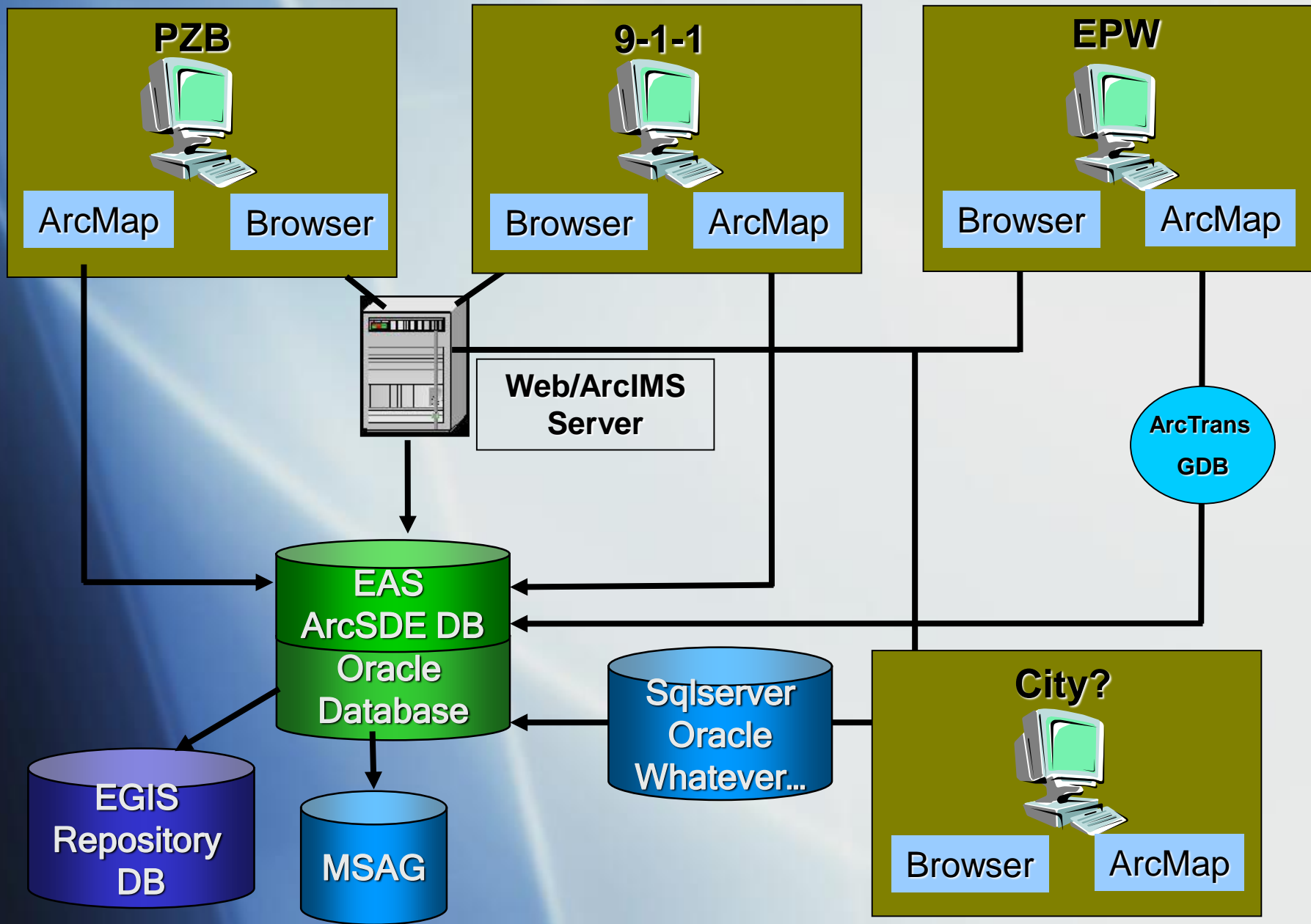
**Address in the
right of way**

**Condos, Mobile Homes
Parks, Strip Malls, etc...**

[EAS Data Model]



[EAS Technical System Architecture]



[Questions?]

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