

THE POWER OF SPATIALLY ENABLED ENTERPRISE ADDRESSING SYSTEMS

GTC Southwest 2008

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CEO
GeoAnalytics, Inc.

 **GeoAnalytics**[®]
spatial intelligence systems



PRESENTATION OVERVIEW AGENDA

- Introduction and Purpose
- Problem Statement and Concepts
- Solution Architecture
 - Organization
 - Process
 - Data
 - Technology
- Case Study: Orange County, Florida
- Questions and Answers / Discussion

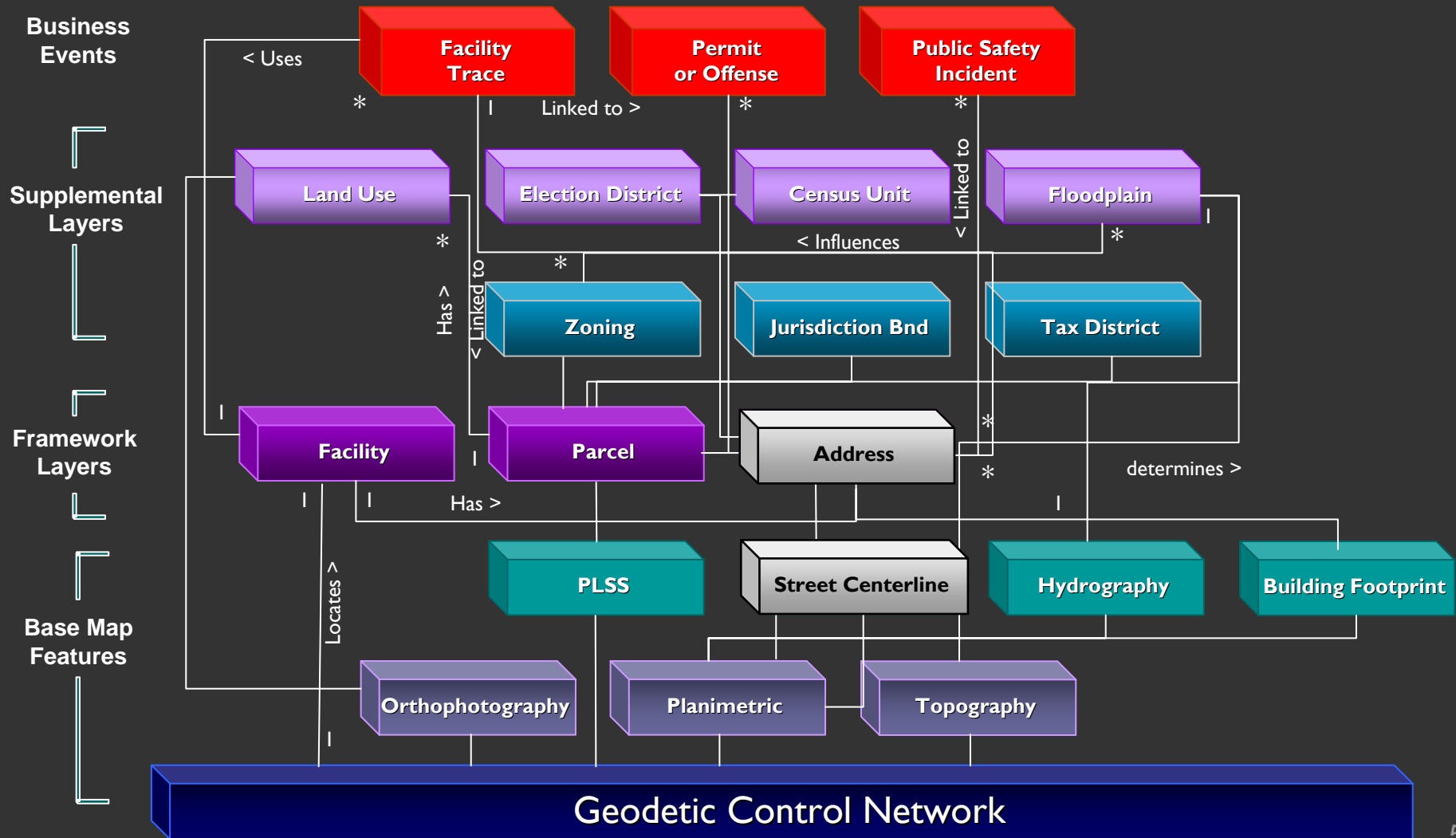
PURPOSE

- Provide an understanding of the issues and opportunities driving the need for better street address management and use
- Discuss concepts and best practices for implementing an enterprise address system
- Illustrate one solution approach

WHAT IS AN ADDRESS?

- Mailing
 - Recognized by US Postal Service for delivery of mail (Includes post office boxes)
- Physical/Situs
 - Physical structure or location (such as parcel, building, meter, cell tower, pier)
- Geographic
 - Is described by a set of real world coordinates
- Theoretical
 - Address ranges that may exist along street centerlines or edges

ADDRESSES IN A SPATIAL INFORMATION CONTEXT



WHO USES ADDRESS INFORMATION

- Planning
- Building
- Zoning
- Code Enforcement
- Public Works
- Engineering
- Assessment
- GIS
- IS \ MIS
- Corrections
- Administration
- Environmental Protection
- Taxation and other Billing Authorities
- Customer Information Systems
- Economic Development
- Public Safety
- Fire Department
- Law Enforcement
- Human Services
- Public Health
- Voter Registration
- 311/Customer Care

HOW AND WHICH ADDRESS TYPE TO USE?

Public

- 9-1-1 Public Safety Response
- Tax Bills
- Rezoning Notifications
- Utility Billing/Services
- Voter Registration
- Property Appraisal/Assessment
- Emergency Management

Commercial

- Customer Relationship Management
- Work Order/Asset Management
- Service Delivery
- Supply Chain and Route Optimization
- Market Planning and Analysis
- Site Location
- Financial Management

**OWNER
ADDRESS**

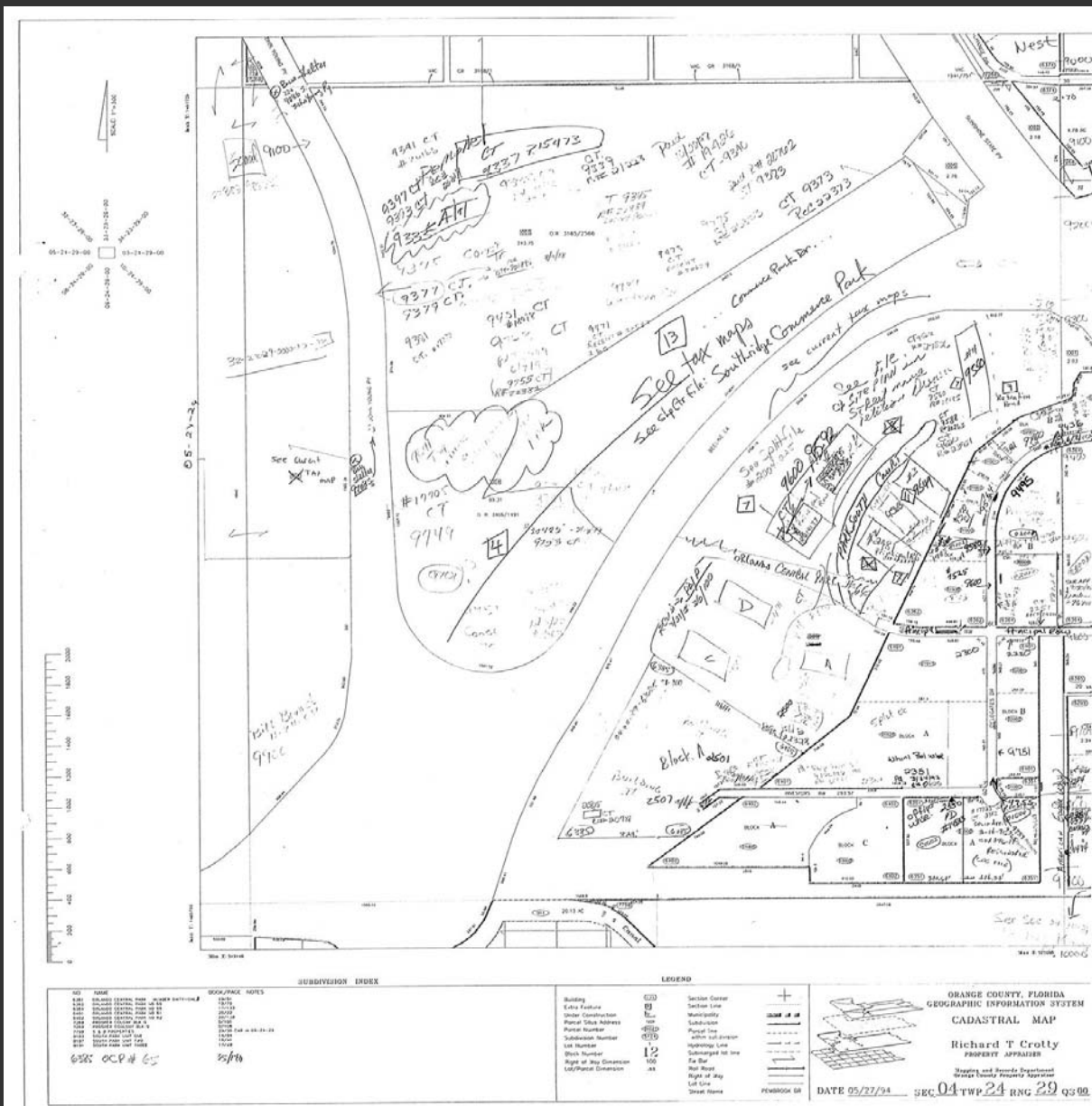
**BILLING
ADDRESS**

**FACILITY
ADDRESS**

**PARCEL
ADDRESS**

**OCCUPANT
ADDRESS**

ADDRESS MANAGEMENT - THE TRADITIONAL WAY

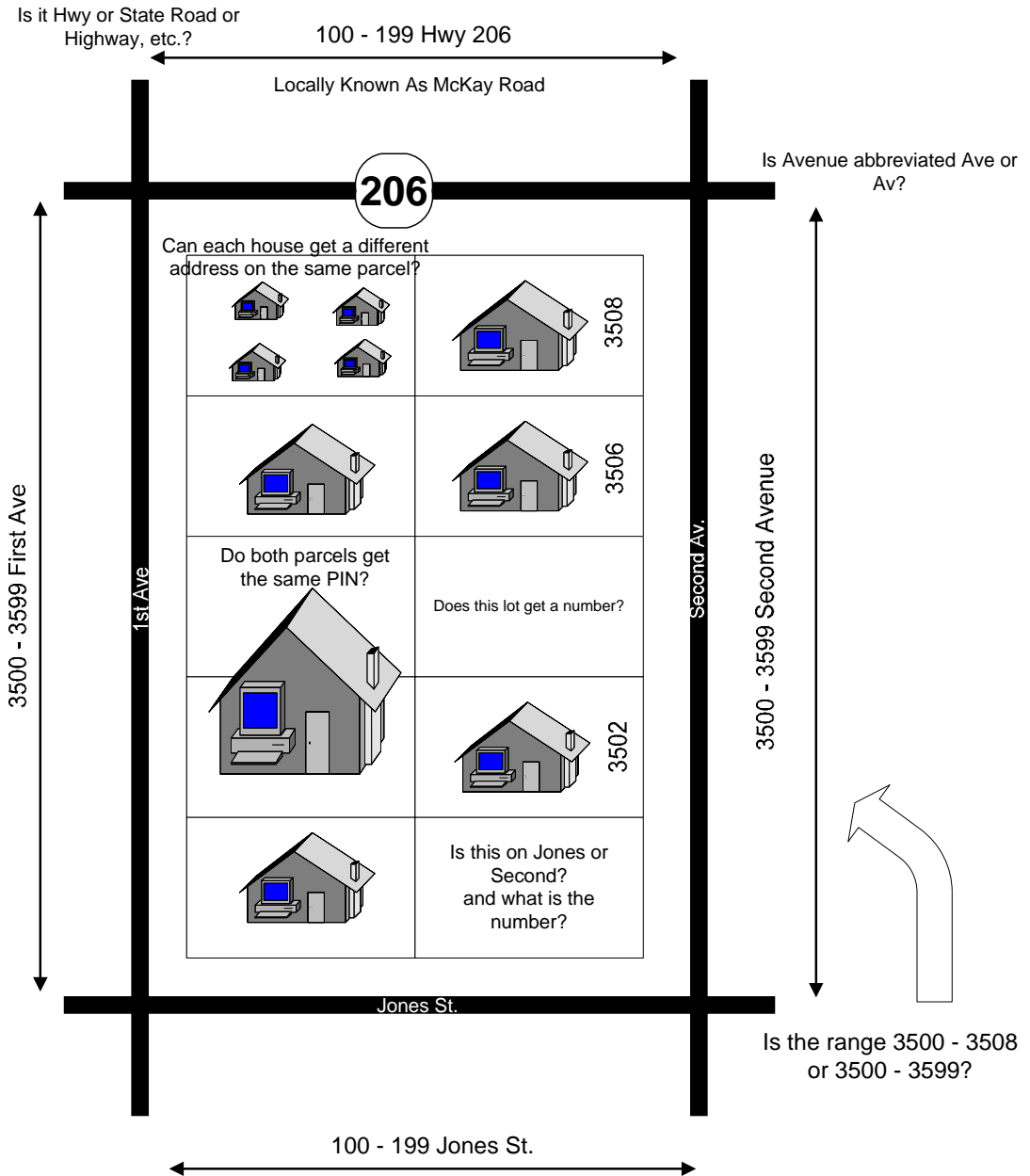


WHY AN ENTERPRISE ADDRESSING SYSTEM?

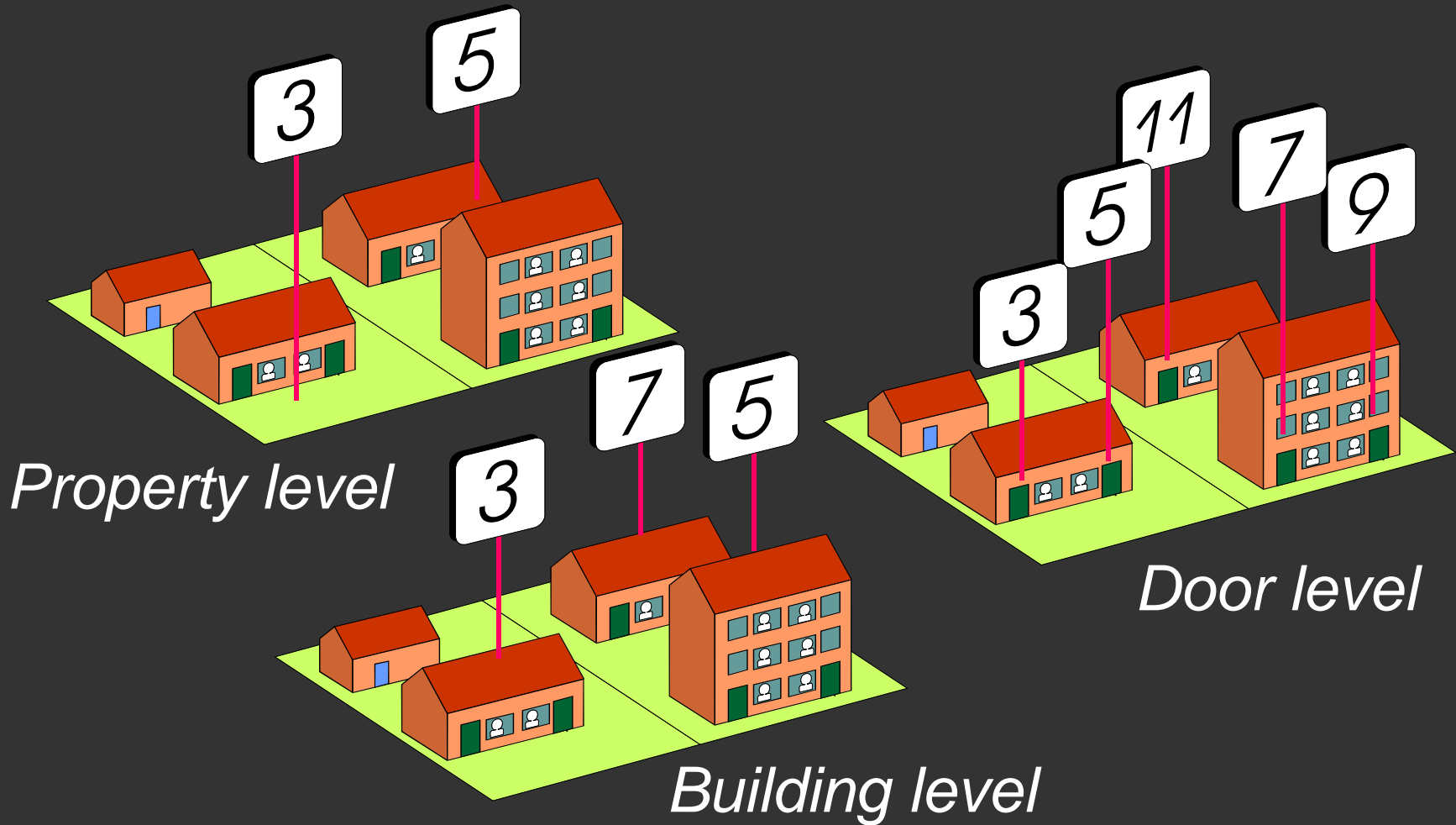
The Problem Statement

ADDRESSING CONVENTIONS AND STANDARDS

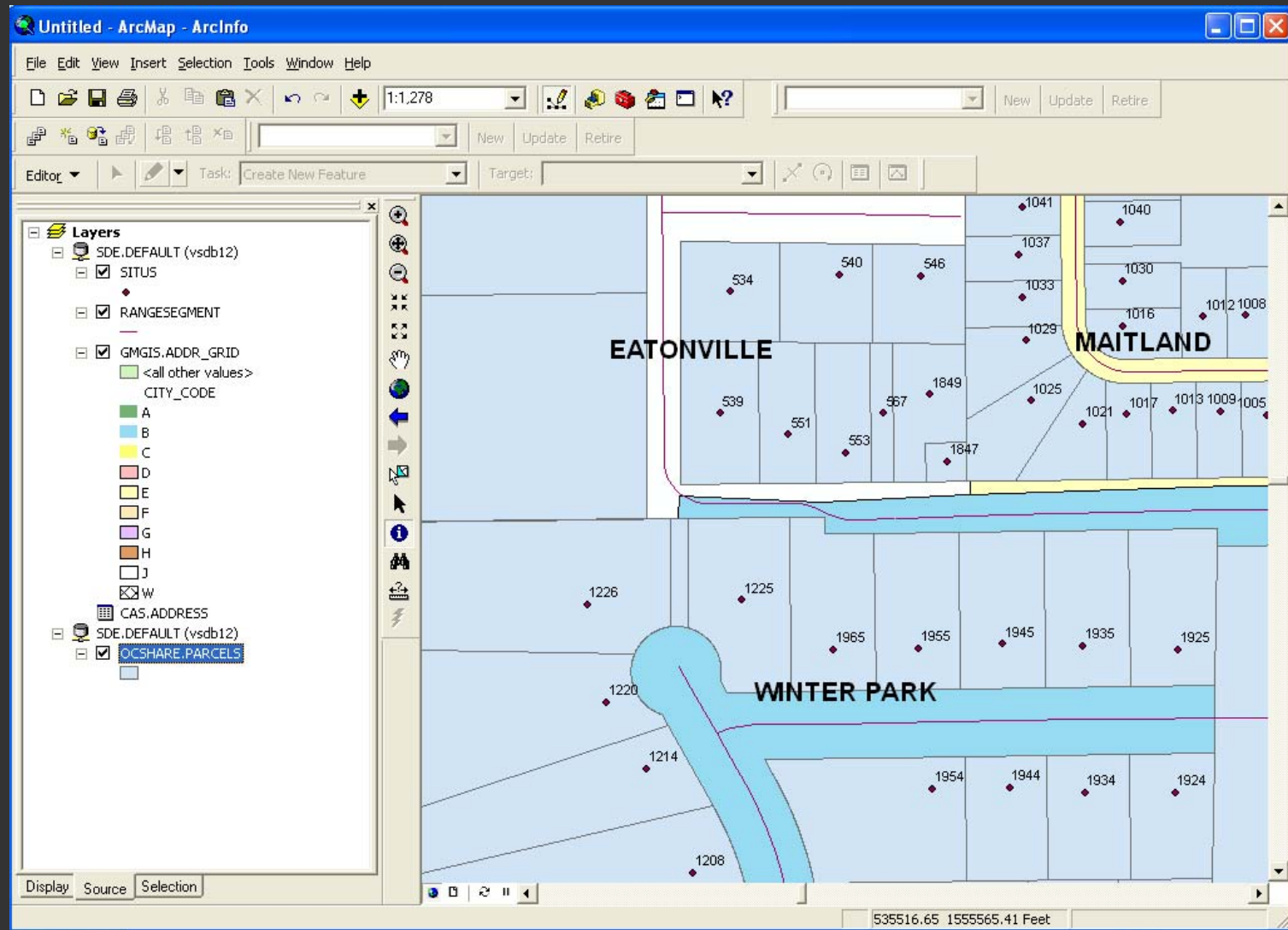
- Primary versus alternate street names
- Abbreviations
- N:N address to parcel relationships
- Corner addresses
- Actual versus theoretical address ranges
- Defining location
- More....



REPRESENTATION OF SITUS ADDRESS LOCATION



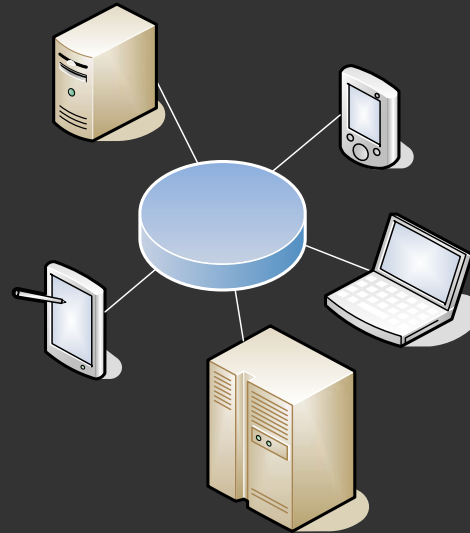
MULTIPLE ADDRESS GRIDS



ISLANDS OF ADDRESS DATA AND BUSINESS FUNCTIONALITY



Assessment/Taxation



Public Works



Planning & Zoning



911/Public Safety

DIFFERENT ADDRESS CUSTODIANS - SUPPORTING DIFFERING BUSINESS FUNCTIONS

CHALLENGES AND ISSUES

- Lack of communication
- “Disconnected”, independent, duplicate address databases
- Repetition of work
- Undocumented maintenance processes

CHALLENGES AND ISSUES

- Use of hardcopy maps for address maintenance
- Parcel and address mapping not synchronized
- Quality control on address data creation
- Inter-departmental versus inter-jurisdictional coordination
- Currency of address data in different systems

CHALLENGES AND ISSUES

- Liability
 - *Political* – Bad decisions based on incorrect data
 - *Legal* – Potential civil liability where there is injury to person or property
- Lack of addressing standards
 - Street naming conflicts
 - Non-standard abbreviations for street names
 - Consistent enforcement

CHALLENGES AND ISSUES

- Emphasis on parcel specific addresses
 - Does not recognize other types of addresses (ranges, construction trailer in ROW, phone booth, lift station, meter)
- No maintained relationship between address ranges and situs addresses
- Data not fit to related ranges and parcels

- In the end, there are many problems, many opportunities

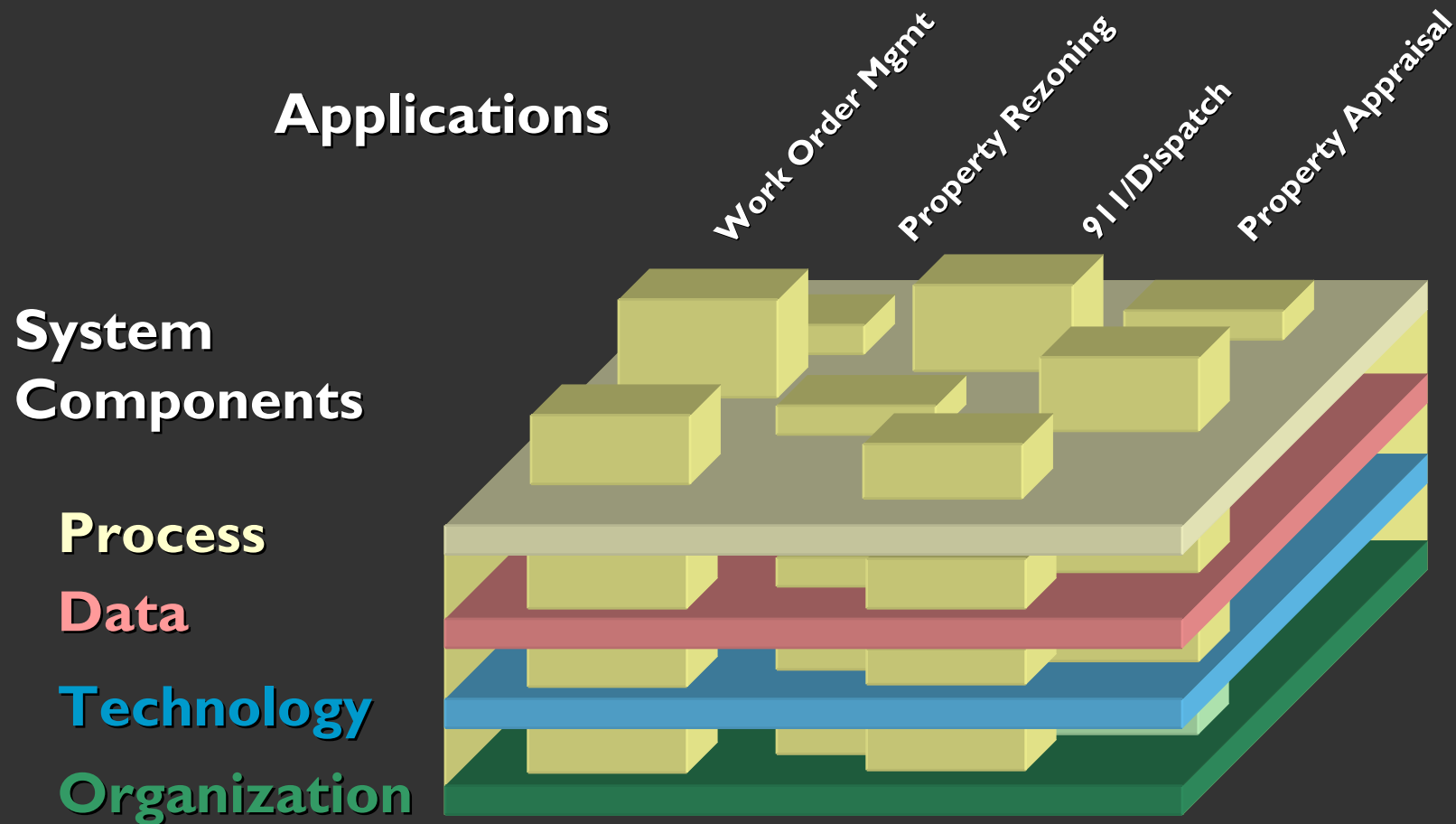
A SOLUTION APPROACH

Spatially Enabled Enterprise Address System

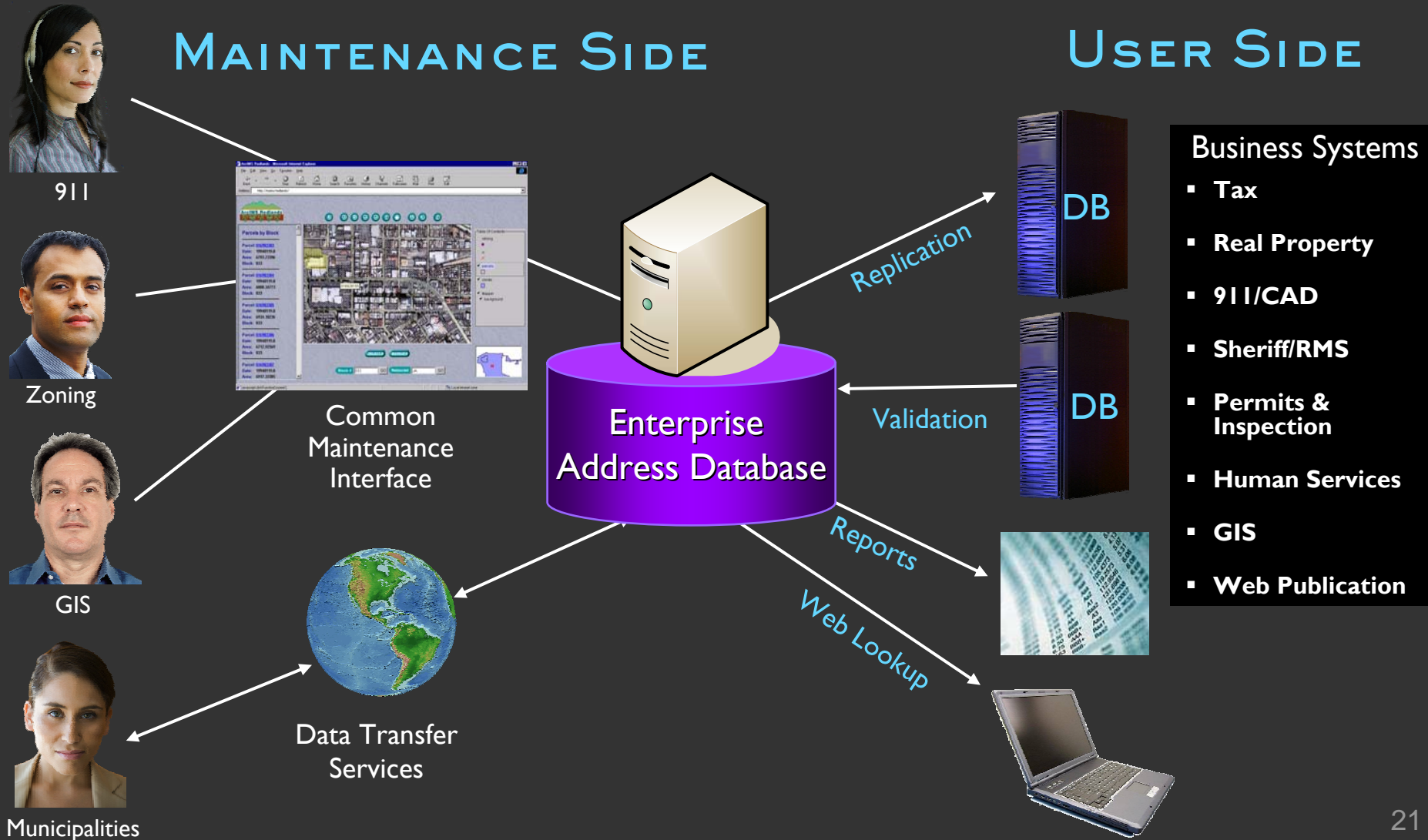
SOLUTION TO THE PROBLEM

- An Enterprise Addressing System that is:
 - Designed to address relevant departmental business interests
 - Automated
 - Standardized
 - Transactionally maintained and current
 - Coordinated
 - Interoperable for internal and external uses
 - Accessible to all systems and users

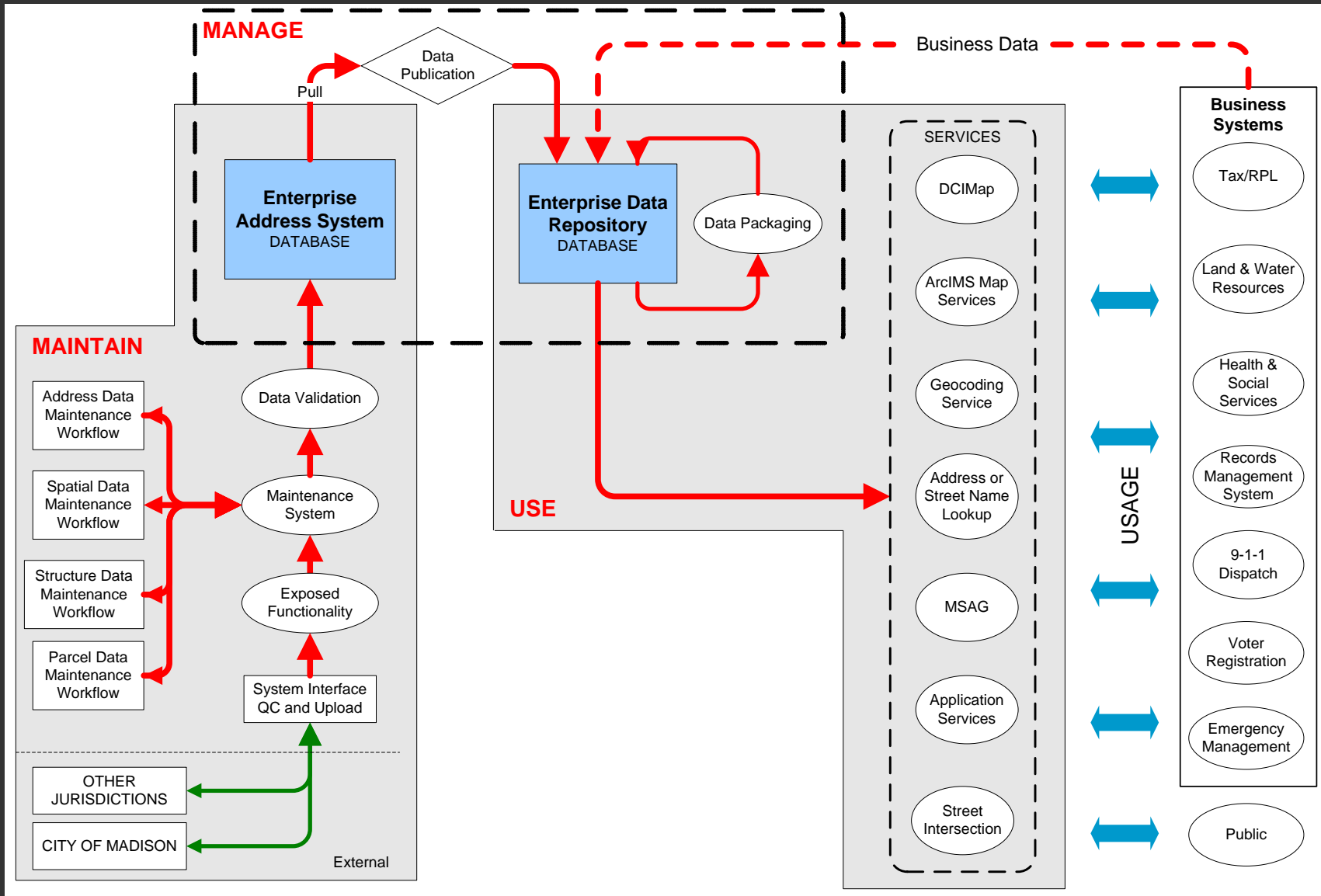
ADDRESS SYSTEM COMPONENTS



ENTERPRISE ADDRESS SYSTEM CONCEPT



ENTERPRISE ADDRESS SYSTEM CONCEPT



ORGANIZATIONAL CONSIDERATIONS AND REQUIREMENTS

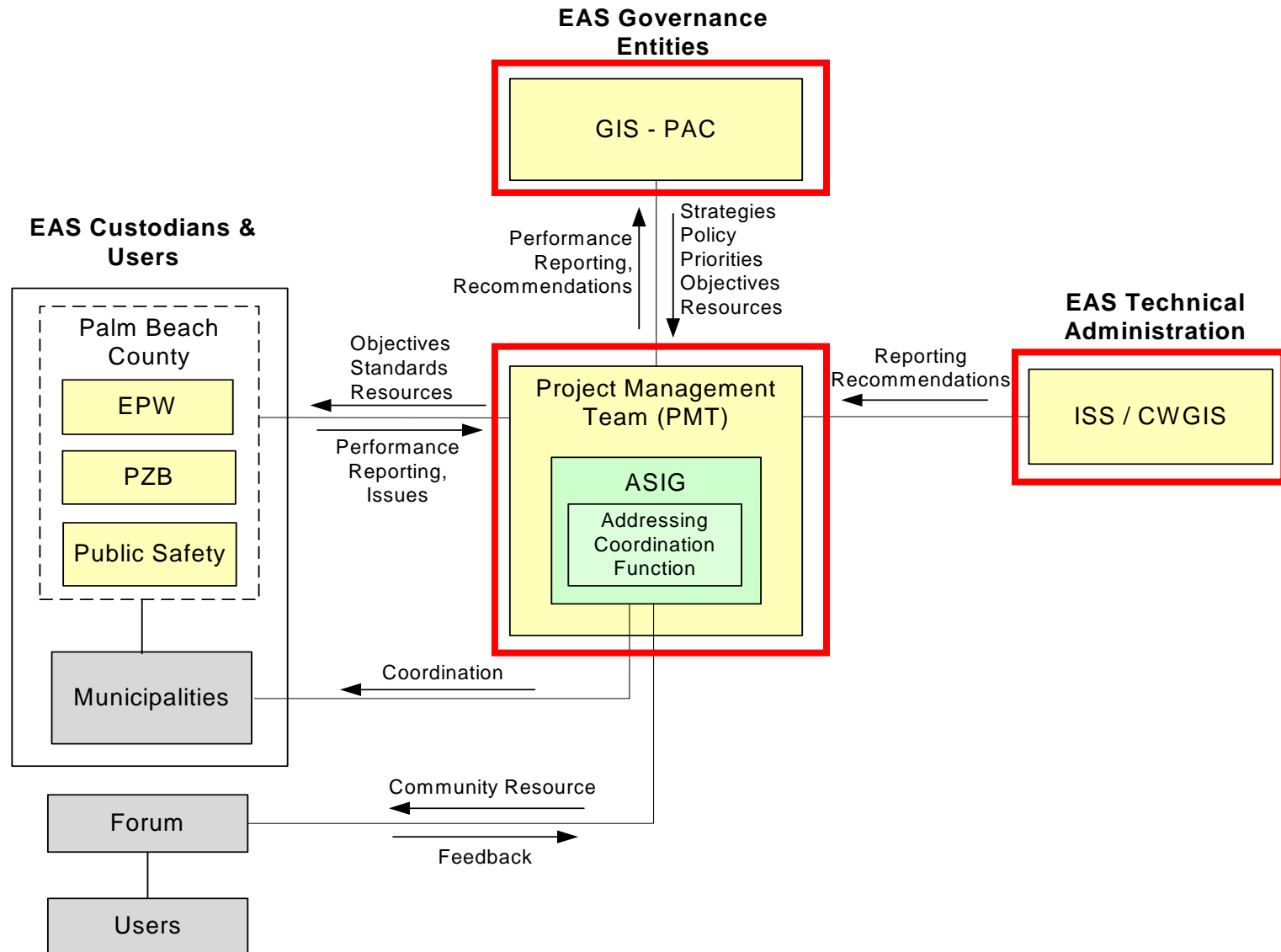
ORGANIZATIONAL CONSIDERATIONS

- Who are your custodians versus users of address data?
 - Responsibilities
 - Authorities
 - Accountabilities
- Policies
 - Addressing policies and procedures?
 - Is there established addressing ordinance?

ORGANIZATIONAL CONSIDERATIONS

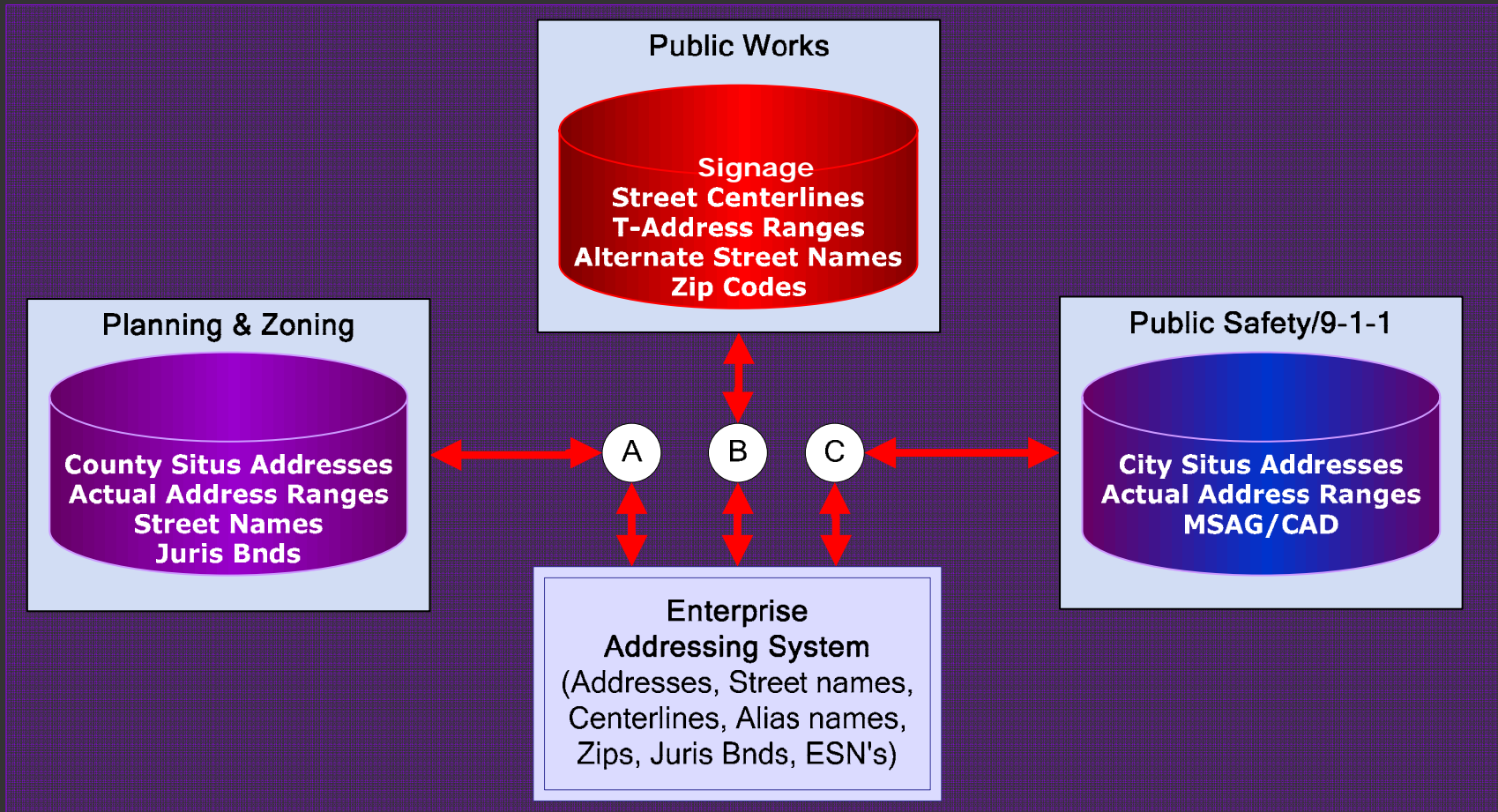
- System governance?
- How do you coordinate processes and workflows?
- Is there an EAS champion at the top?
- Are the stakeholders committed?

FORMAL ADDRESS SYSTEM GOVERNANCE



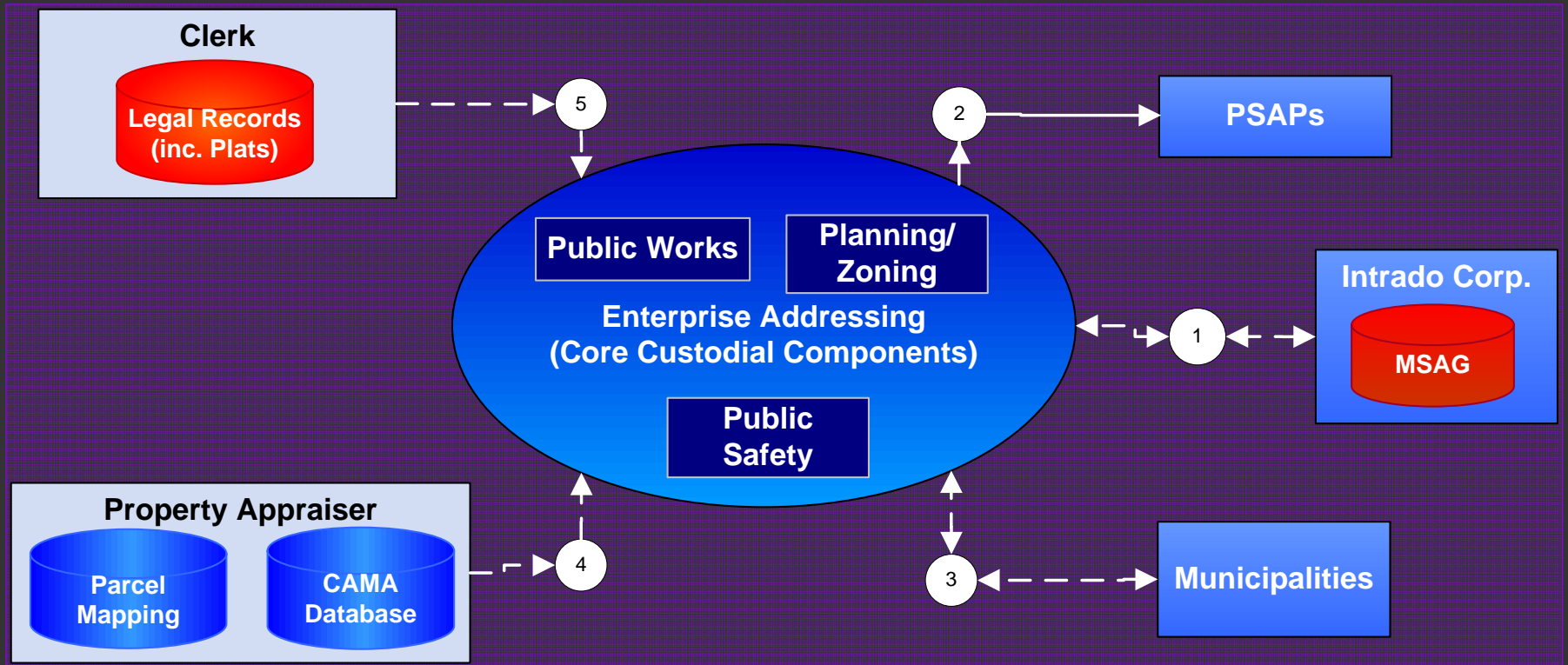
COLLABORATIVE CUSTODIANSHIP

Primary Participants



COLLABORATIVE CUSTODIANSHIP

Secondary Participants

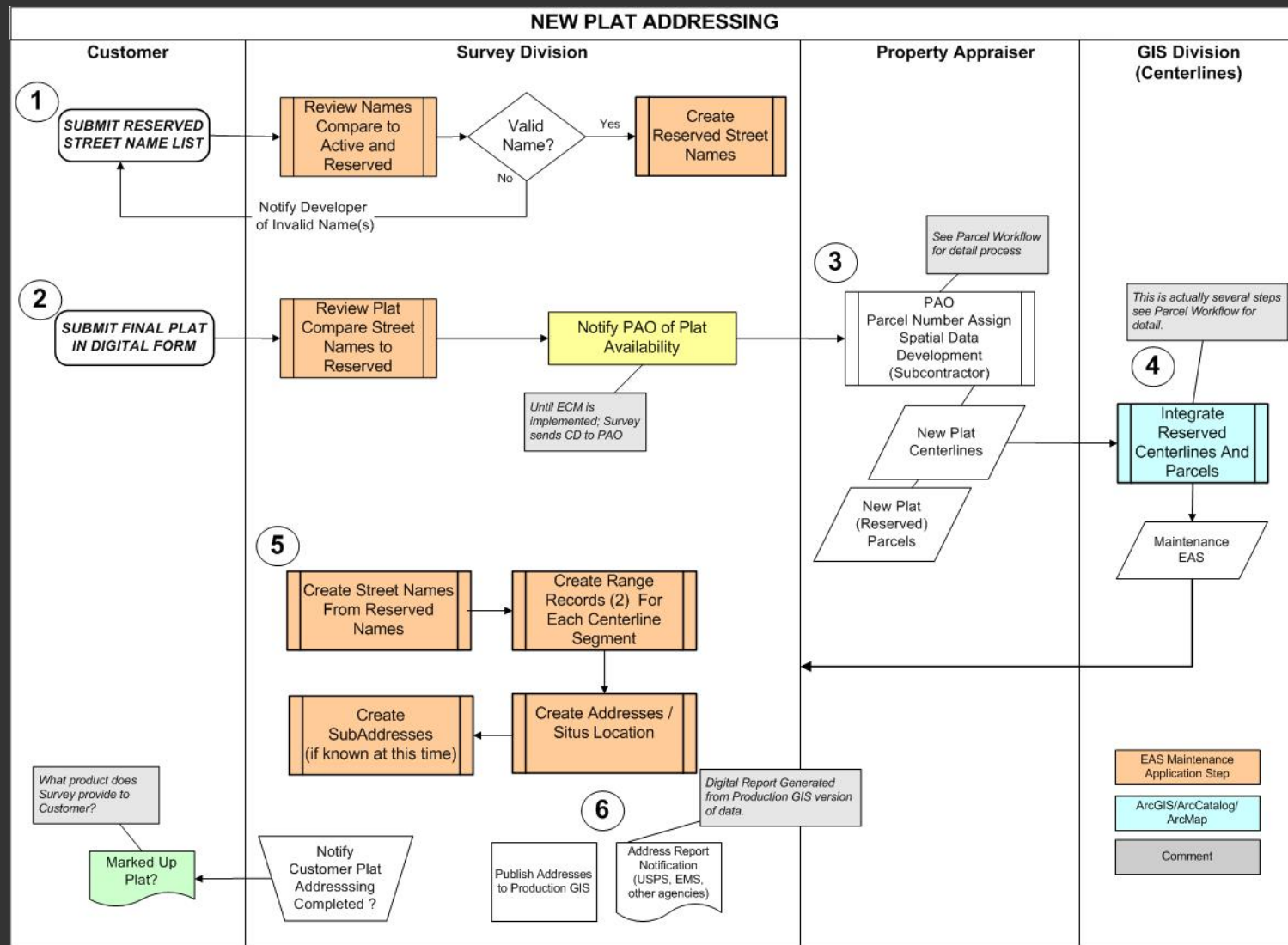


PROCESS CONSIDERATIONS AND REQUIREMENTS

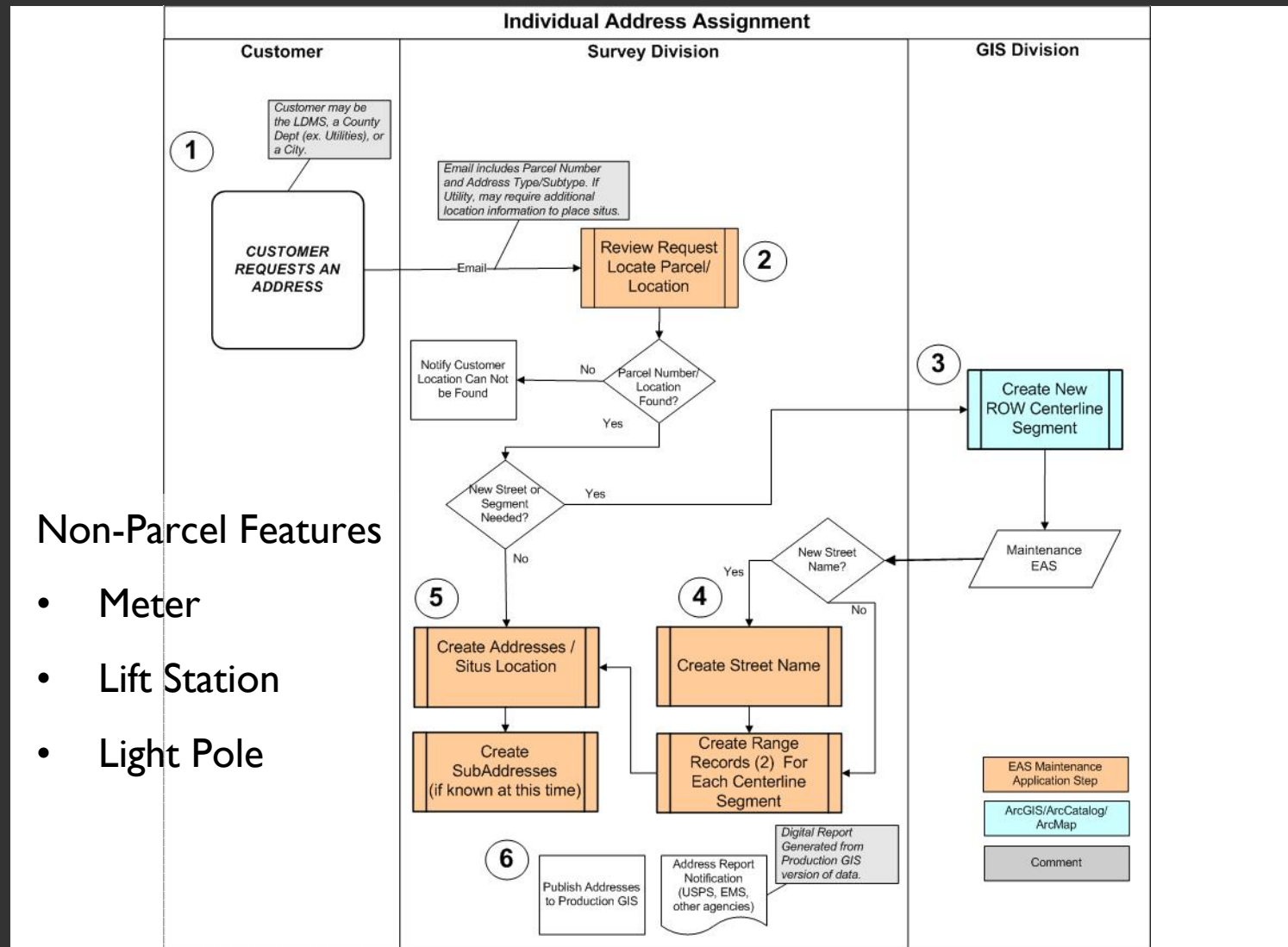
PROCESS CONSIDERATIONS

- Has the organization documented and approved addressing workflows?
- What are the key address activities?
 - Development
 - Maintenance
 - Production
 - Business use
- Who are the primary (core) and secondary participants?
- What are the baseline and goal metrics?

WORKFLOWS MAPPING - PLAT ADDRESSING



WORKFLOWS MAPPING - SINGLE ADDRESSING



Non-Parcel Features

- Meter
- Lift Station
- Light Pole

DATA CONSIDERATIONS AND REQUIREMENTS

DATA CONSIDERATIONS

- What address types are required?
- How are different addressing forms and formats reconciled?
- What is the requisite data quality – consistency, resolution, and timeliness?
- What is the data relationship between the different addresses and the processes that use them?
- Do you have a data model to meet multiple business needs?

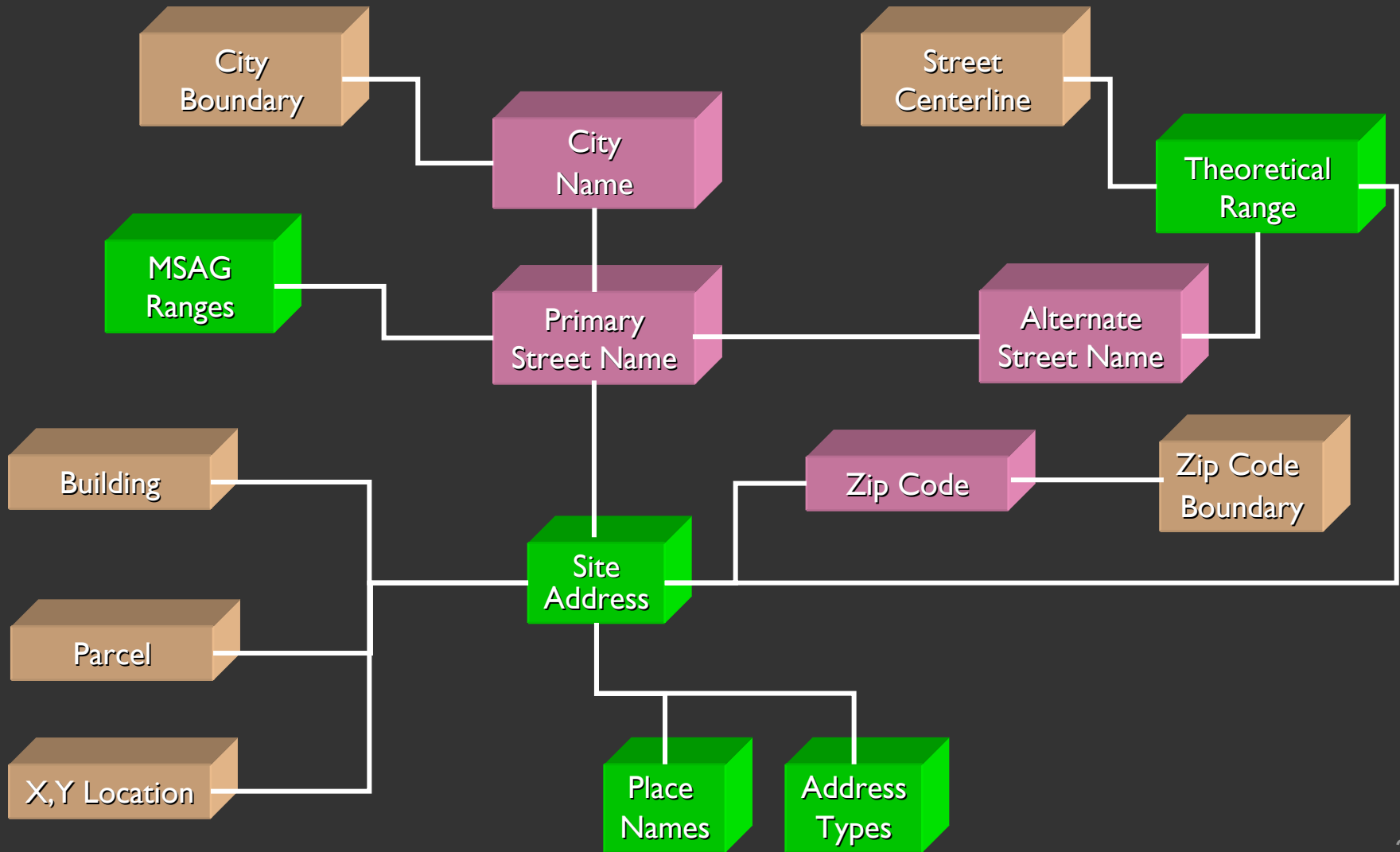
DATA CONSIDERATIONS

- Maintenance
 - Data model standard?
 - URISA,
 - NENA,
 - US National Grid, etc.
 - All data within ArcSDE geodatabase?
 - What degree of normalization?
 - ArcSDE versioning?
 - History – Tabular and Spatial? ArcSDE or custom?

DATA CONSIDERATIONS

- Publication
 - Consumer user needs?
 - Business analytics?
 - Performance metrics?
 - Transaction – Database or custom?

ADDRESS DATA MODEL COMPONENTS



RESOURCES FOR STANDARDS AND GUIDELINES

- United States Postal Service (USPS)
 - (<http://pe.usps.gov/cpim/ftp/pubs/Pub28/pub28.pdf>)
- US Census Bureau (www.census.gov)
- National Emergency Number Association (NENA)
(www.nena.org)
- URISA (www.urisa.org)
- Federal Geographic Data Committee
 - (FGDC) (www.fgdc.gov)

TECHNOLOGY CONSIDERATIONS AND REQUIREMENTS

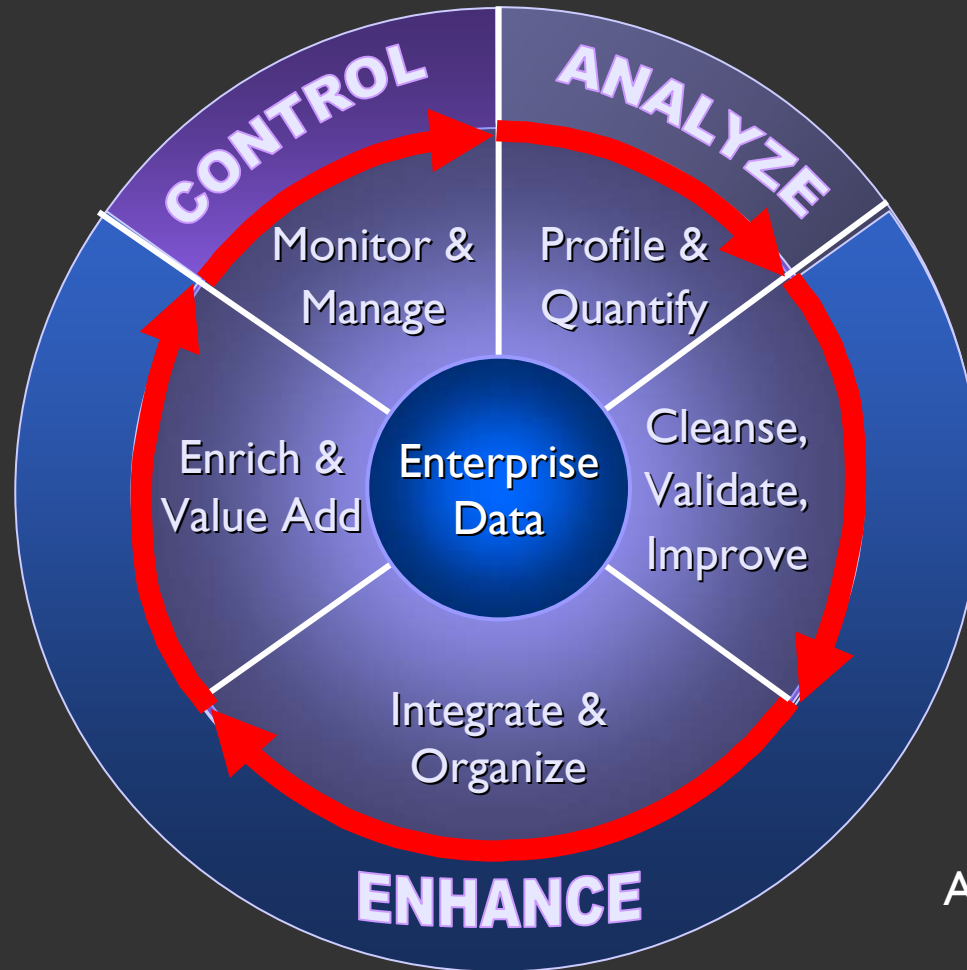
TECHNOLOGY CONSIDERATIONS

- Are your addressing systems:
 - Interoperable with other business information systems?
 - Coordinated to minimize data discrepancies
 - Accessible to remote offices, and governmental and private sector partners?
 - Compliant with existing IS standards?
- Is there a business need for web-based tools for enhanced access?

TECHNOLOGY CONSIDERATIONS

- Maintenance Environment?
- Publication Environment?
- Technology Choices
 - ArcGIS Desktop ArcMap Extension?
 - ArcGIS Server?
 - Integrated Reporting?
 - Reporting Tool?

TECHNOLOGY CONSIDERATIONS



Adapted from DataFlux®

MASTER DATA MANAGEMENT

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EAS STRATEGY CASE STUDY

Orange County, Florida

ORANGE COUNTY ALADIN ADDRESSING

- Key Requirements
 - Multi-Departmental custodians (911, Zoning, GIS; ~30 individuals)
 - Fees calculated for addresses and some new street names, and grouped by business process
 - Data history; transactional history by business process
 - Legacy situs and centerline migration, and cleansing
 - Three (3) levels of Sub-Address (building, level, unit)

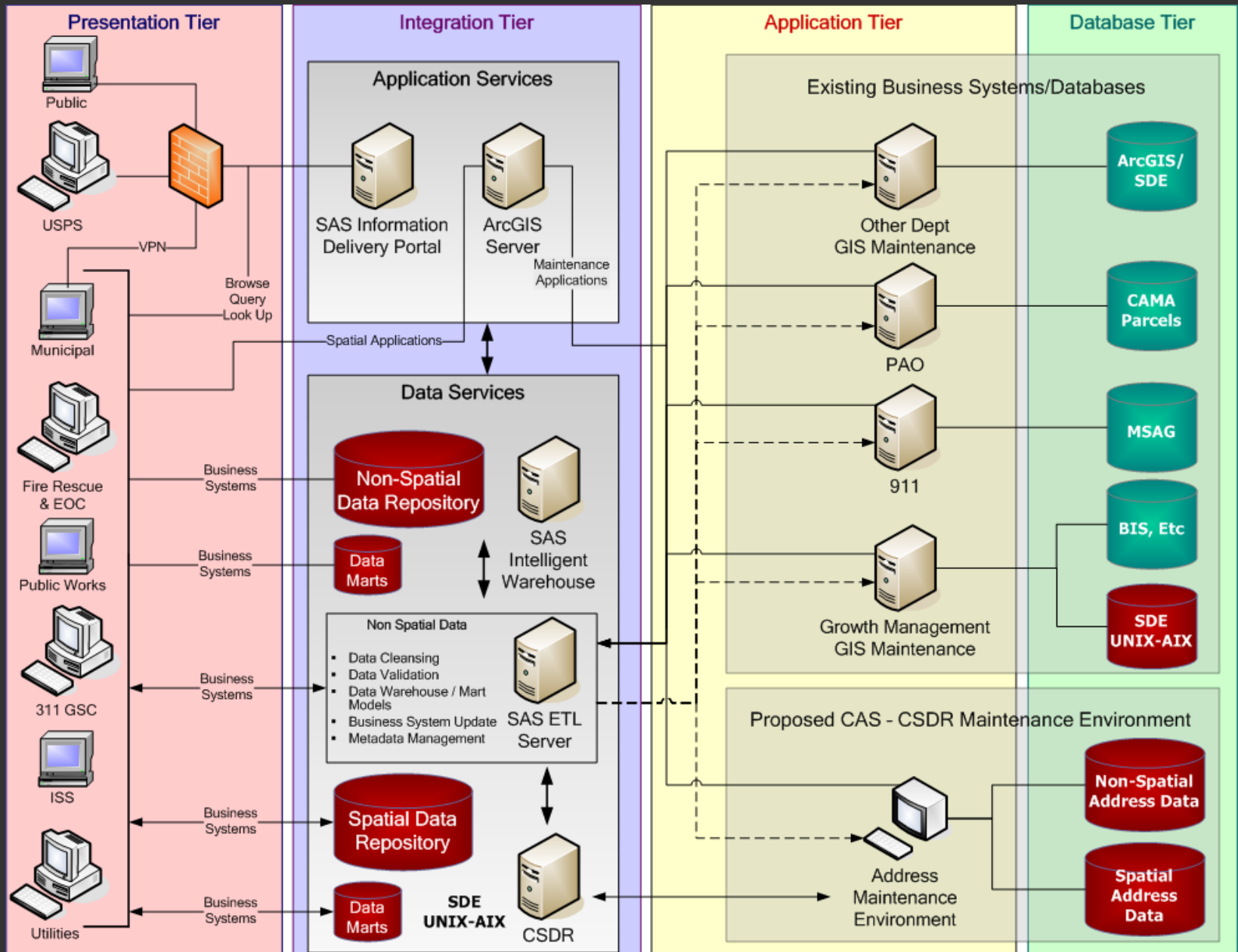
ORANGE COUNTY ALADIN ADDRESSING

- Key Requirements
 - Street name reservation; enforce unique street names
 - Map-centric workflow; spatially derive address, zipcode, jurisdiction and mailing city from situs point location.
 - Pre-Addressing of plats and commercial site plans
 - Parcel Number not required; derive from map when available

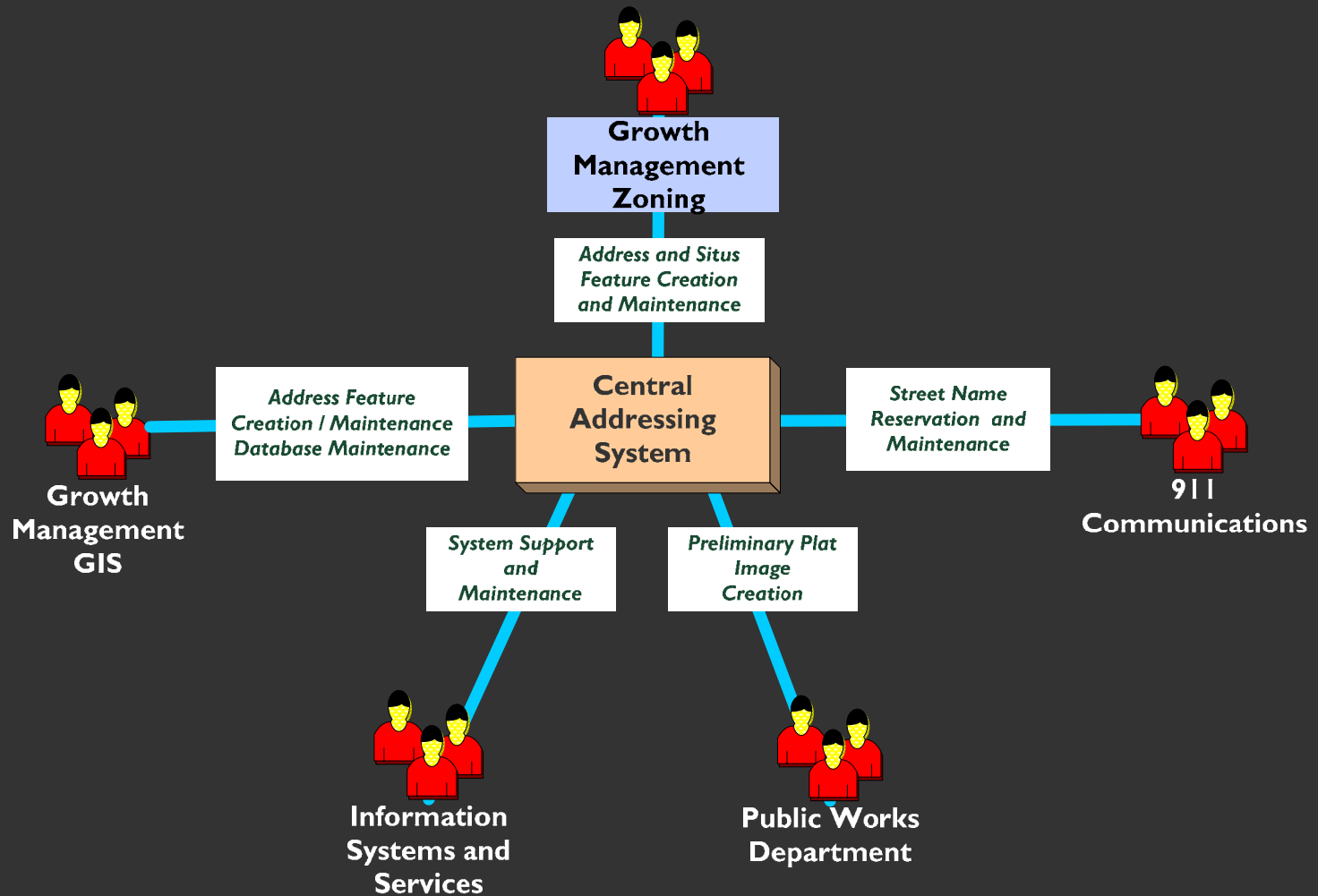
ORANGE COUNTY ALADIN ADDRESSING

- Key Requirements
 - Address type and subtype attributes
 - Real-time access to new addresses for Building and Utilities permitting
 - Address validation web service
 - Automated ETL processes to shared repository
 - Significant business intelligence and report requirements – requiring SAS technology integration

ORANGE COUNTY, FL CONCEPTUAL EAS ARCHITECTURE



ORANGE COUNTY, FL PROCESS ARCHITECTURE

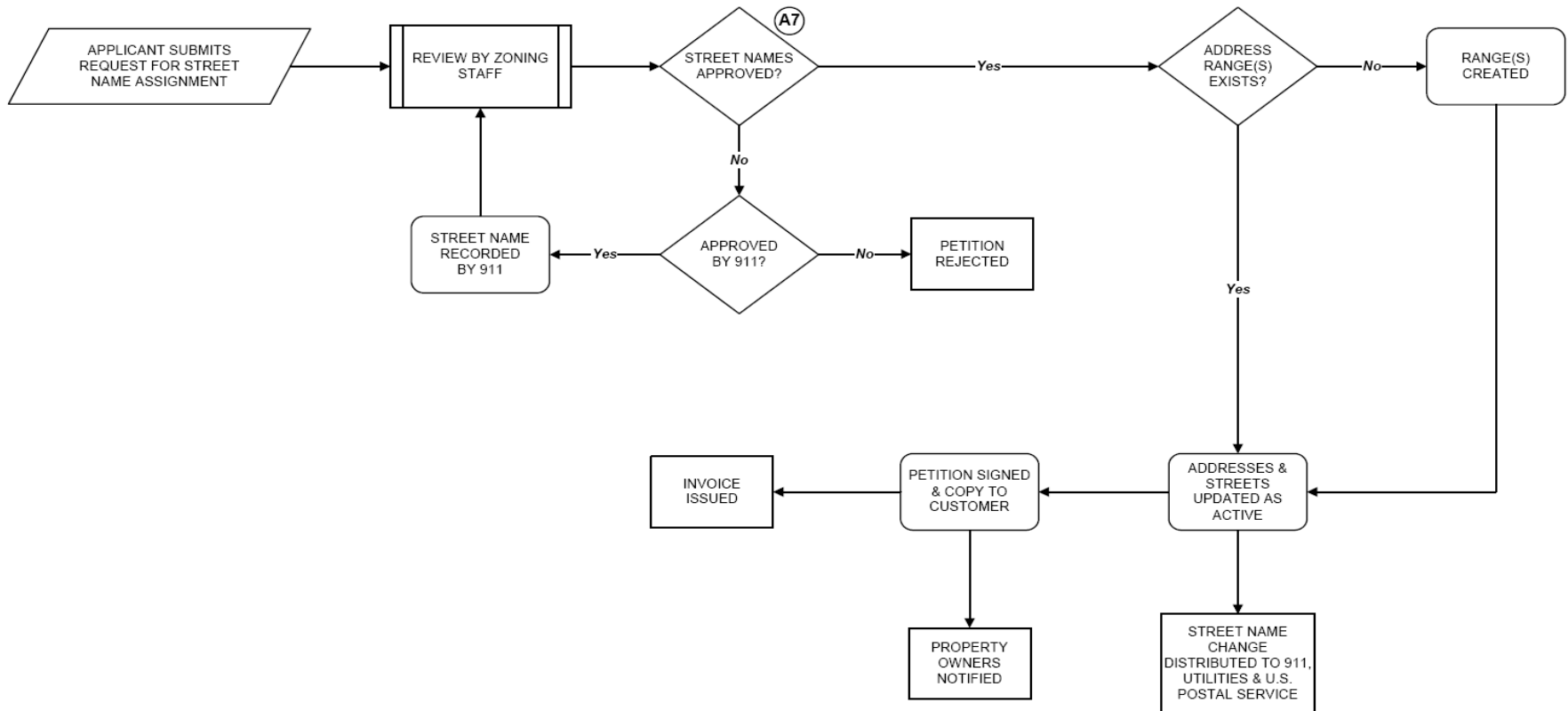


ORANGE COUNTY, FL PROCESS WORKFLOW

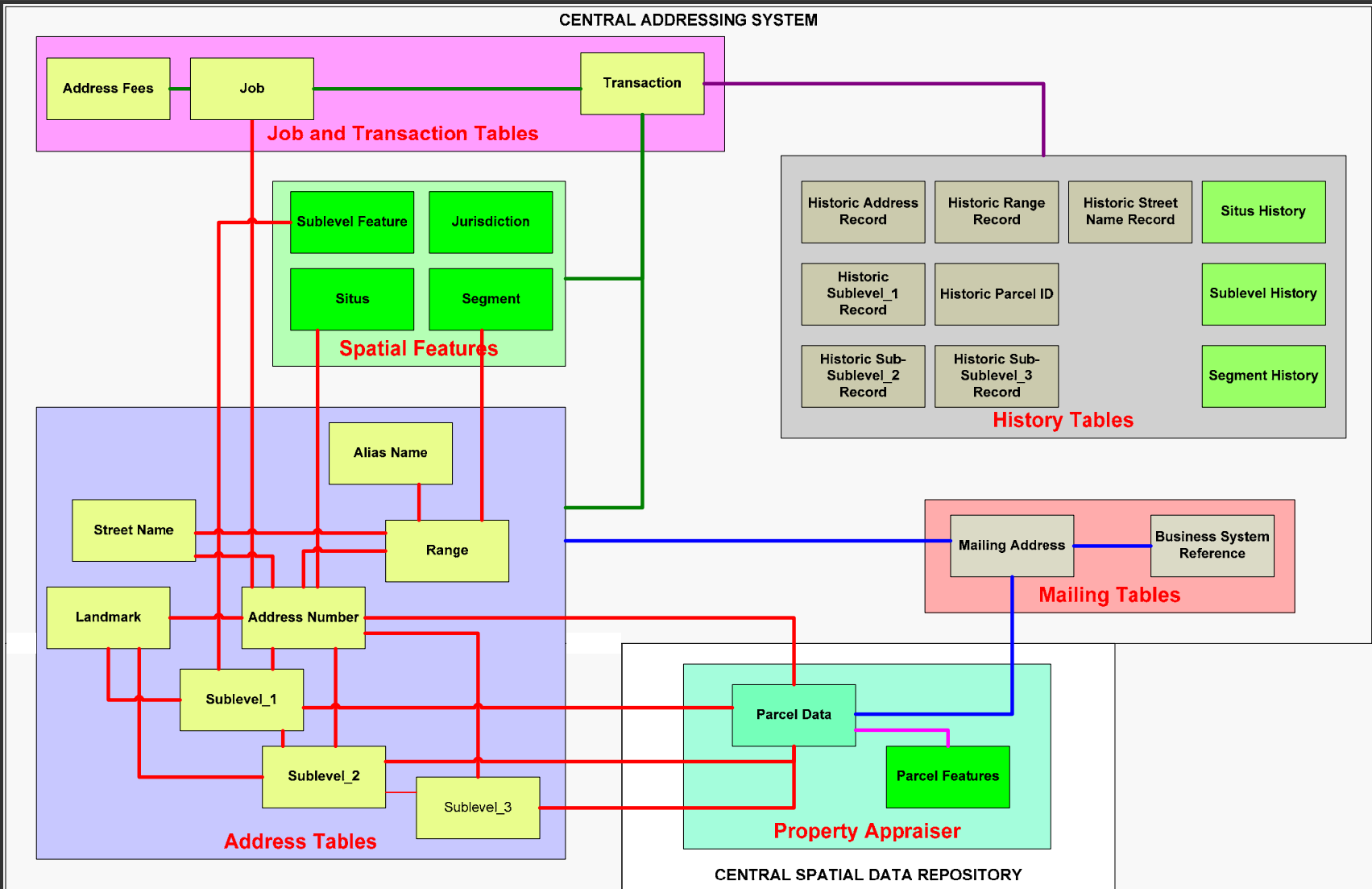


Address Management Street Name Petition Assignment Process

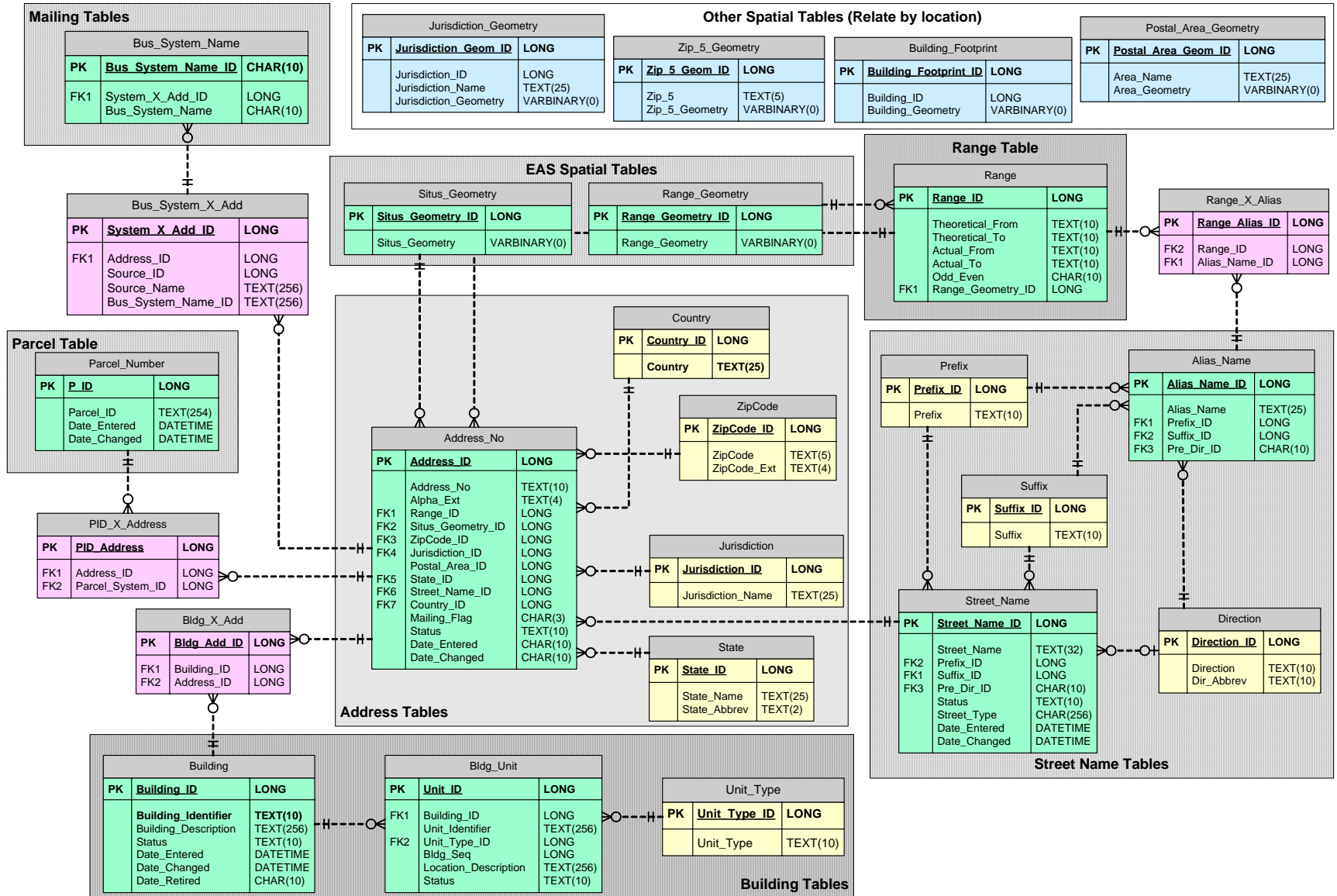
(A6)



DATABASE COMPONENTS

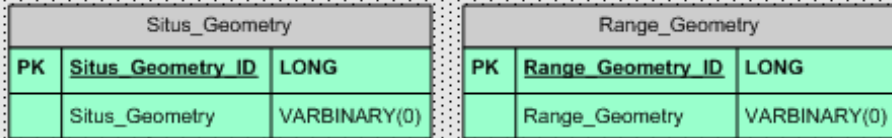


COMPREHENSIVE EAS DATA MODEL

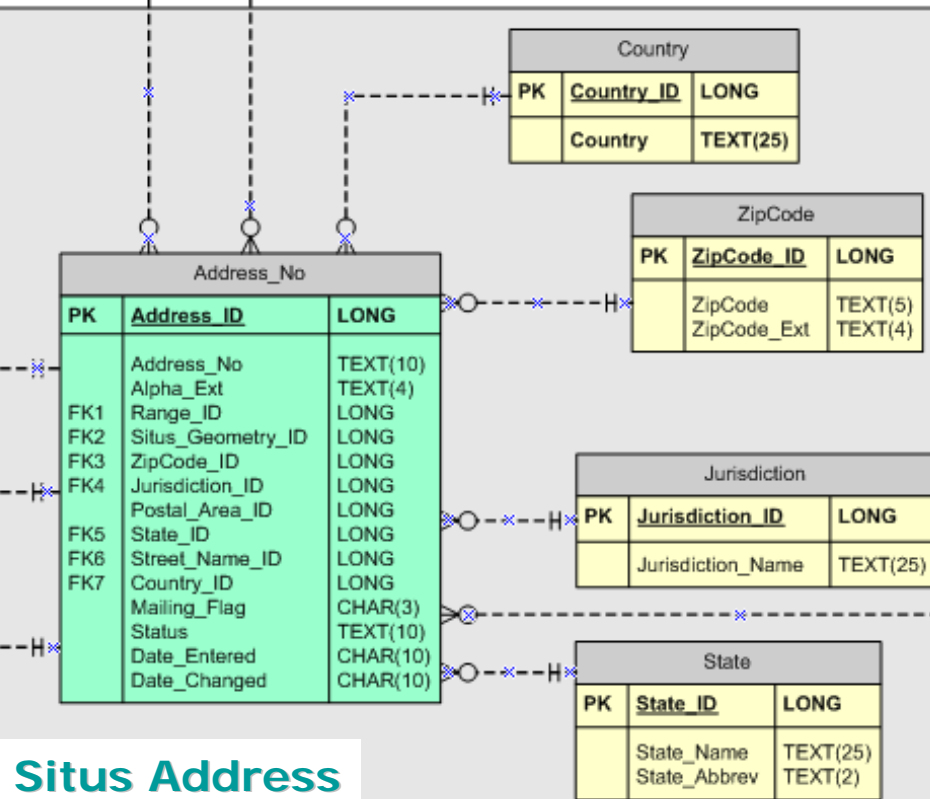
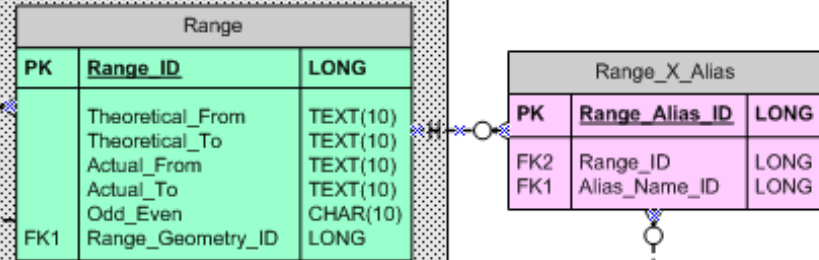


CORE ADDRESS TABLES

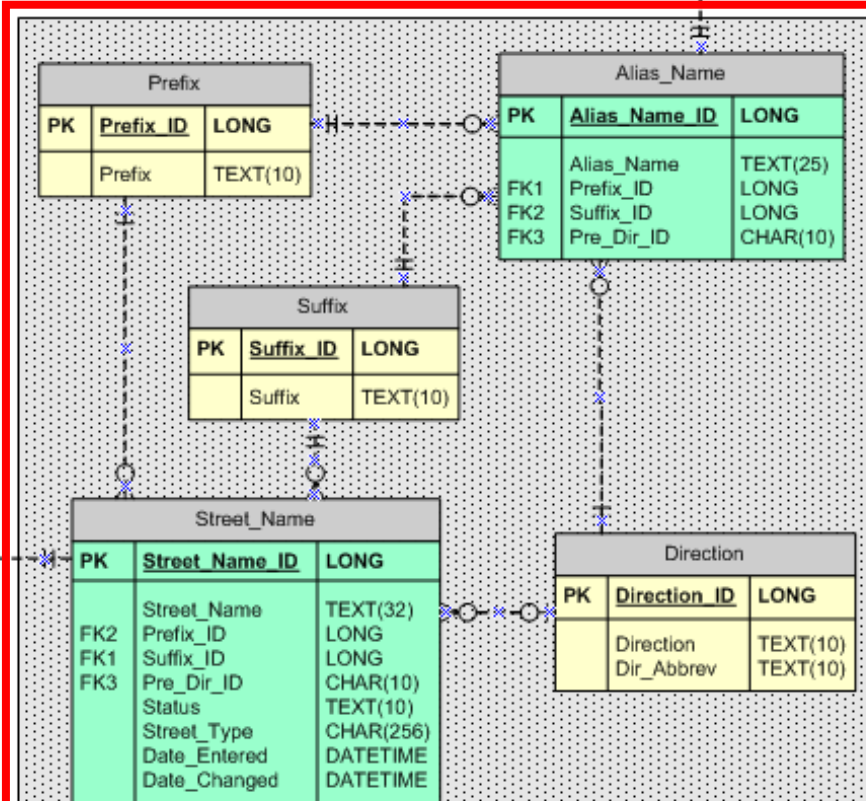
EAS Spatial



Address Range



Situs Address



Street Name

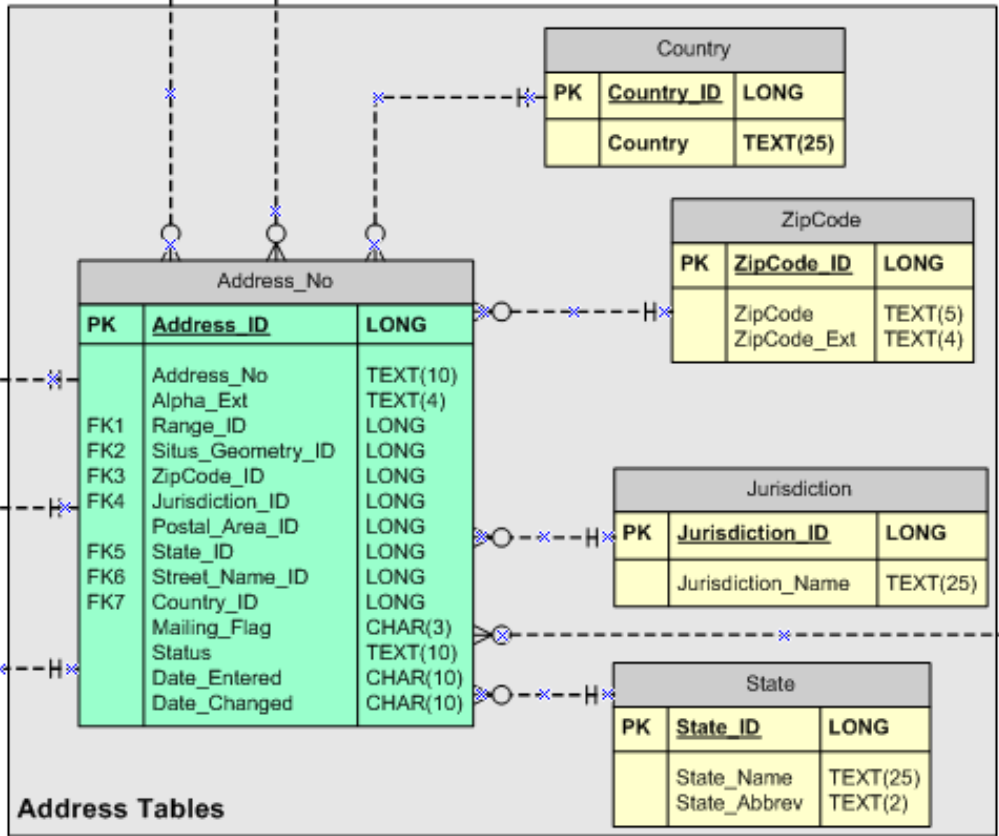
PARCEL AND BUILDING RELATIONSHIPS

Parcels

Parcel_Number		
PK	<u>P_ID</u>	LONG
	Parcel_ID	TEXT(254)
	Date_Entered	DATETIME
	Date_Changed	DATETIME

PID_X_Address		
PK	<u>PID_Address</u>	LONG
FK1	Address_ID	LONG
FK2	Parcel_System_ID	LONG

Bldg_X_Add		
PK	<u>Bldg_Add_ID</u>	LONG
FK1	Building_ID	LONG
FK2	Address_ID	LONG



Building		
PK	<u>Building_ID</u>	LONG
	Building_Identifier	TEXT(10)
	Building_Description	TEXT(256)
	Status	TEXT(10)
	Date_Entered	DATETIME
	Date_Changed	DATETIME
	Date_Retired	CHAR(10)

Bldg_Unit		
PK	<u>Unit_ID</u>	LONG
FK1	Building_ID	LONG
FK2	Unit_Identifier	TEXT(256)
	Unit_Type_ID	LONG
	Bldg_Seq	LONG
	Location_Description	TEXT(256)
	Status	TEXT(10)

Unit_Type		
PK	<u>Unit_Type_ID</u>	LONG
	Unit_Type	TEXT(10)

Buildings

ADDITIONAL FEATURES

Location-based Spatial Relationships

Jurisdiction_Geometry		
PK	Jurisdiction_Geom_ID	LONG
	Jurisdiction_ID Jurisdiction_Name Jurisdiction_Geometry	LONG TEXT(25) VARBINARY(0)

Other Spatial Tables (Relate by location)

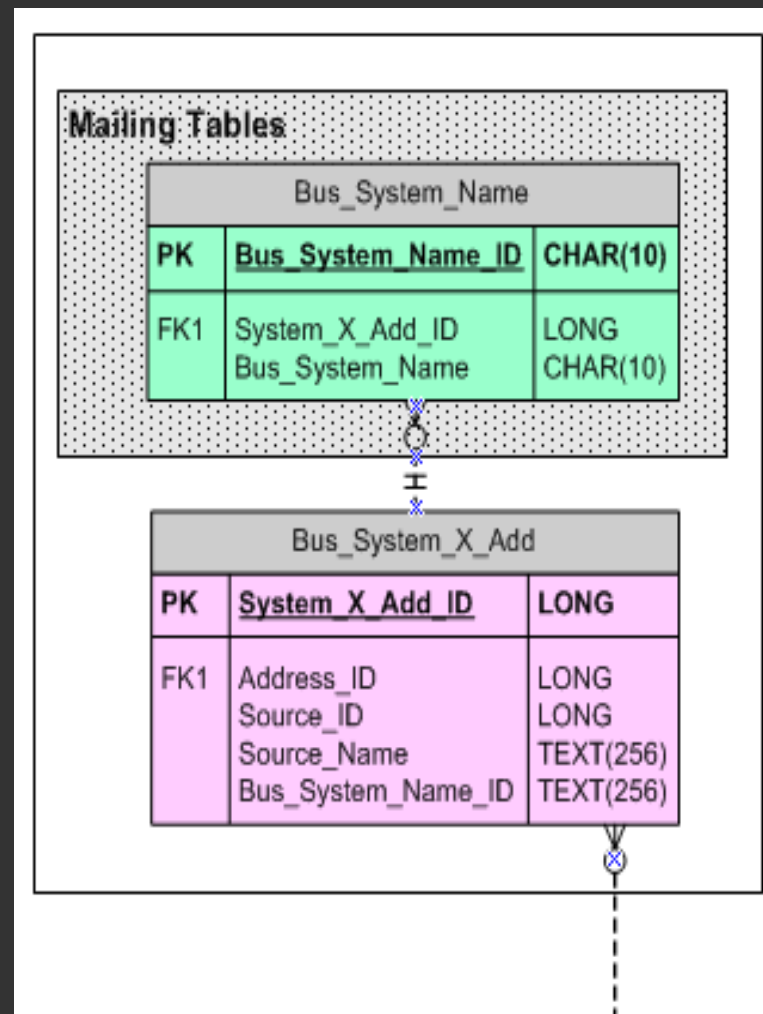
Zip_5_Geometry		
PK	Zip_5_Geom_ID	LONG
	Zip_5 Zip_5_Geometry	TEXT(5) VARBINARY(0)

Building_Footprint		
PK	Building_Footprint_ID	LONG
	Building_ID Building_Geometry	LONG VARBINARY(0)

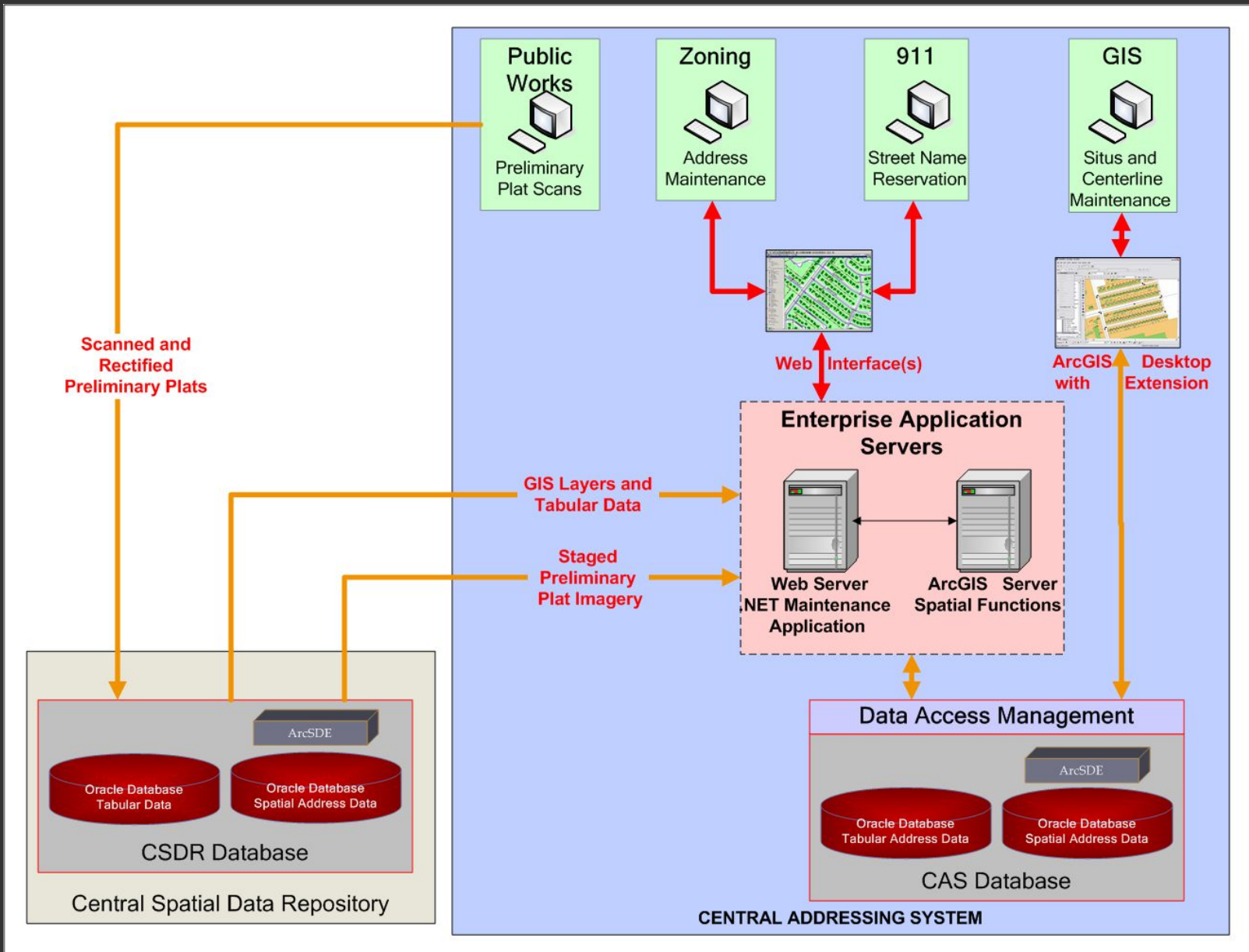
Postal_Area_Geometry		
PK	Postal_Area_Geom_ID	LONG
	Area_Name Area_Geometry	TEXT(25) VARBINARY(0)

ADDITIONAL FEATURES

Mailing Address Support

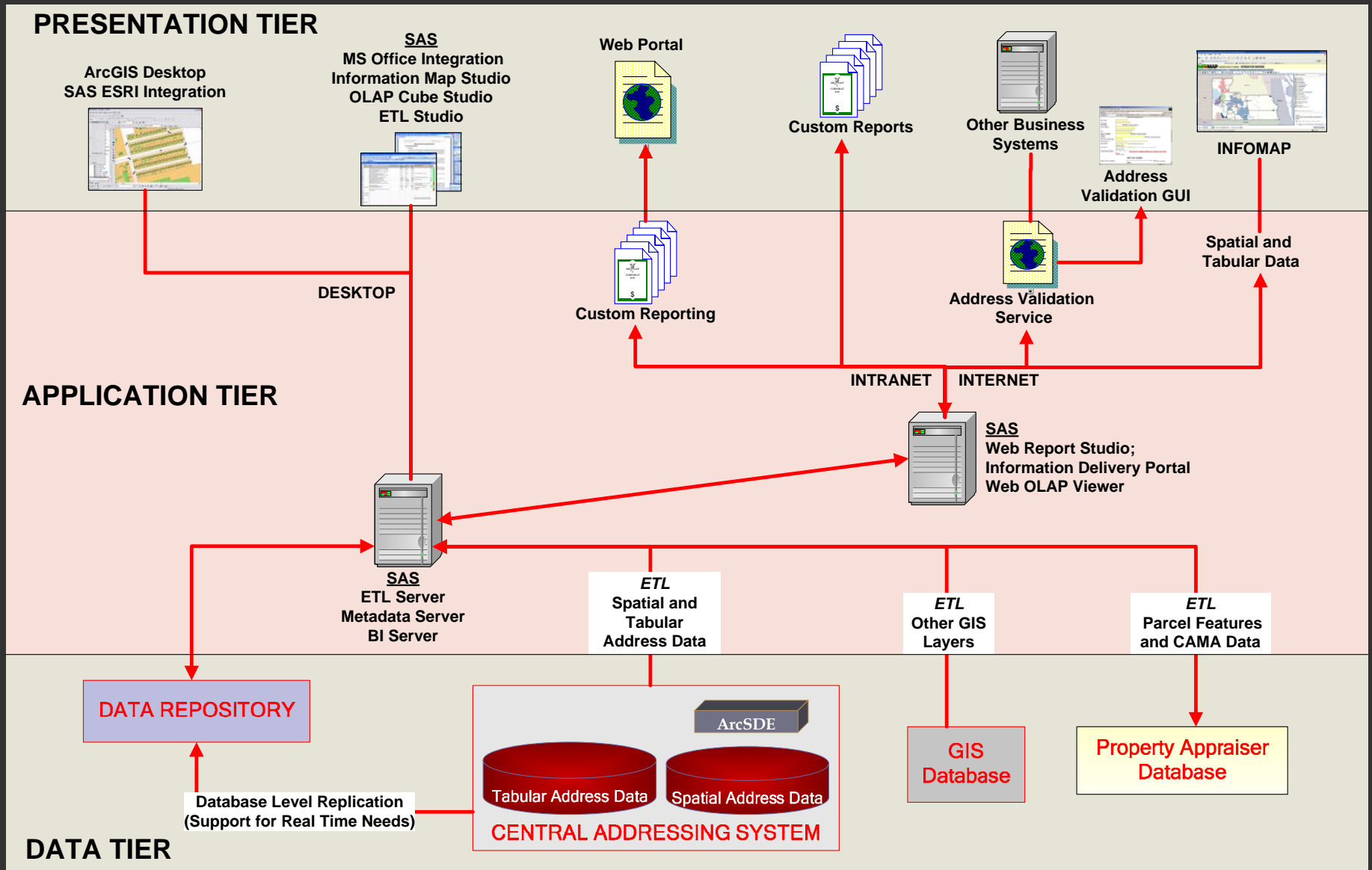


ORANGE COUNTY, FL EAS INPUT ARCHITECTURE



SYSTEM INPUTS

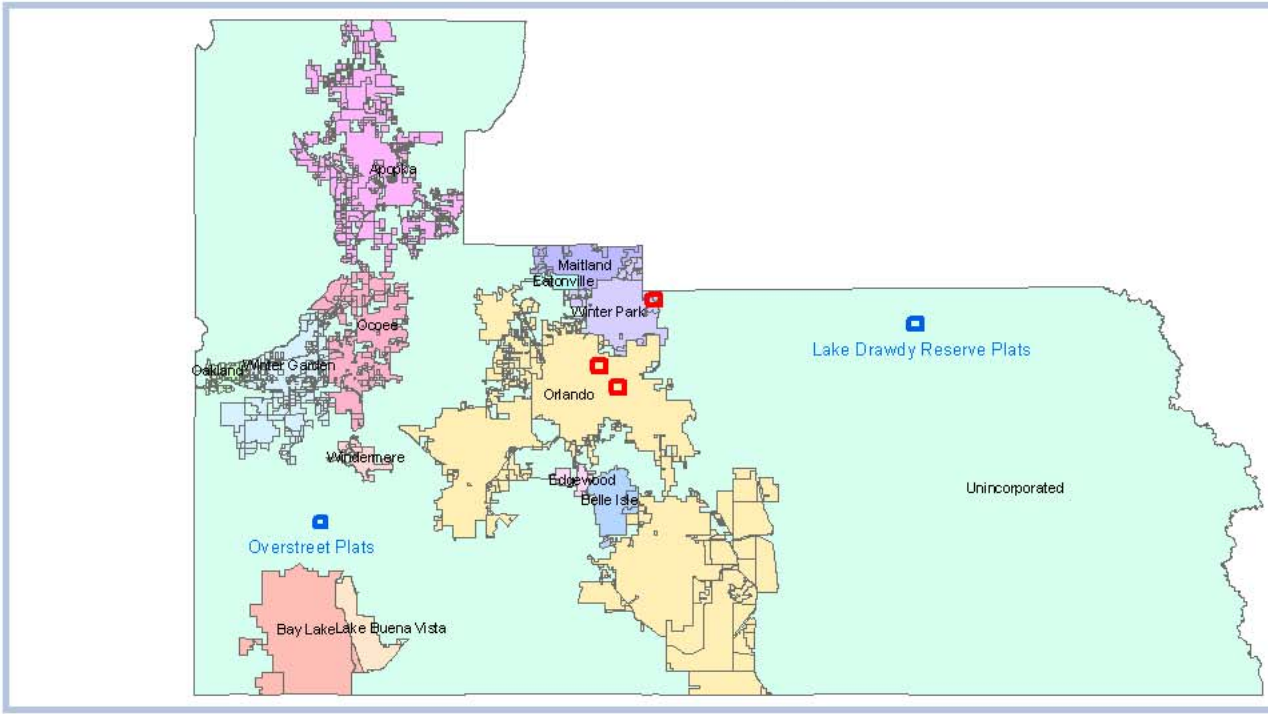
ORANGE COUNTY, FL EAS OUTPUT ARCHITECTURE



SYSTEM OUTPUTS

ORANGE COUNTY ENTERPRISE ADDRESSING

ArcGIS Server Based Maintenance Application



- Layers
- Situs
- Subsitus
- Ucodes
- Rangesegment
- Block Line
- Lot Line
- Aerial Photography
- Zoning
- Rem
- Fema
- Commissioner District
- Jurisdiction
- Zipcode
- Address Grid
- Scanned Plats
- Parcel
- Hydrology
- Bound Region

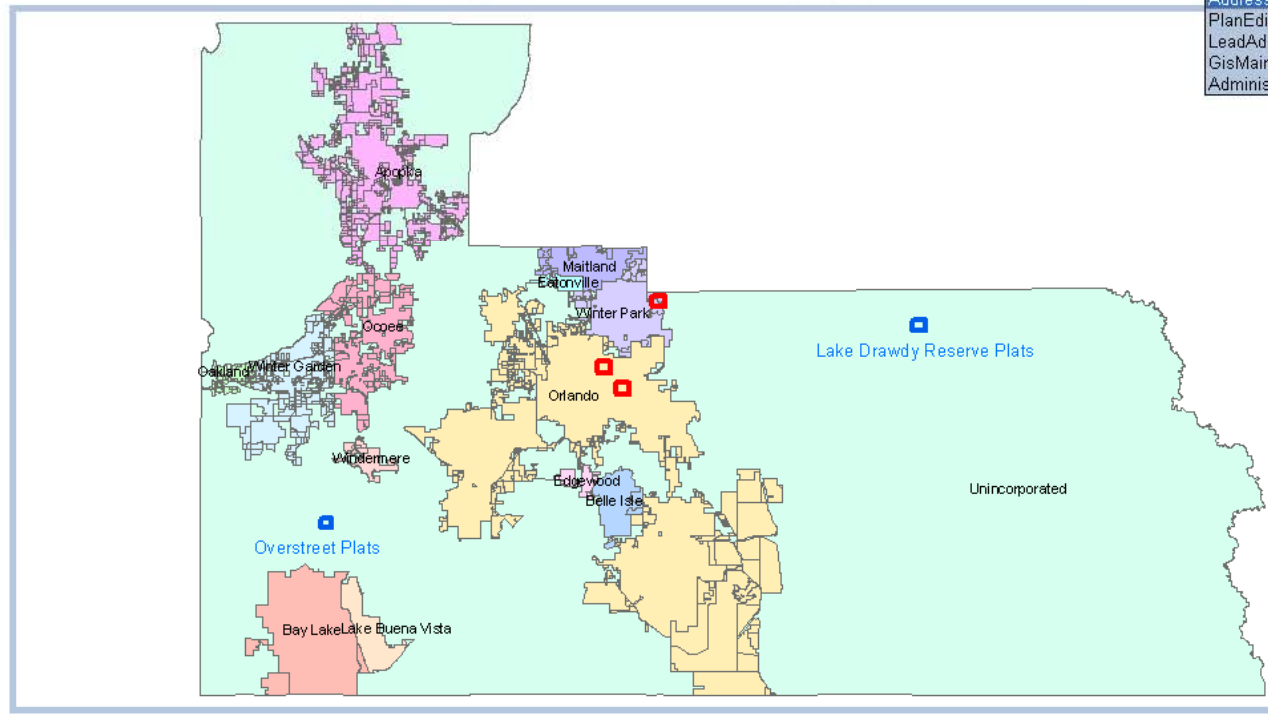
Status

User: GEOWREwholland
 Role: AddressMaintainer
 Job Name: No Job
 Job Type: No Job

Selection Counts:

Situs: 0, Parcel: 0, Rangesegment: 0
 Session Id: nbq0awmt44xcftenj5ln545

- BrowserUser
- ReservedStreetNameMaintainer
- AddressMaintainer**
- PlanEditor
- LeadAddressMaintainer
- GisMaintainer
- Administrator



- Layers**
- Situs
 - Subsites
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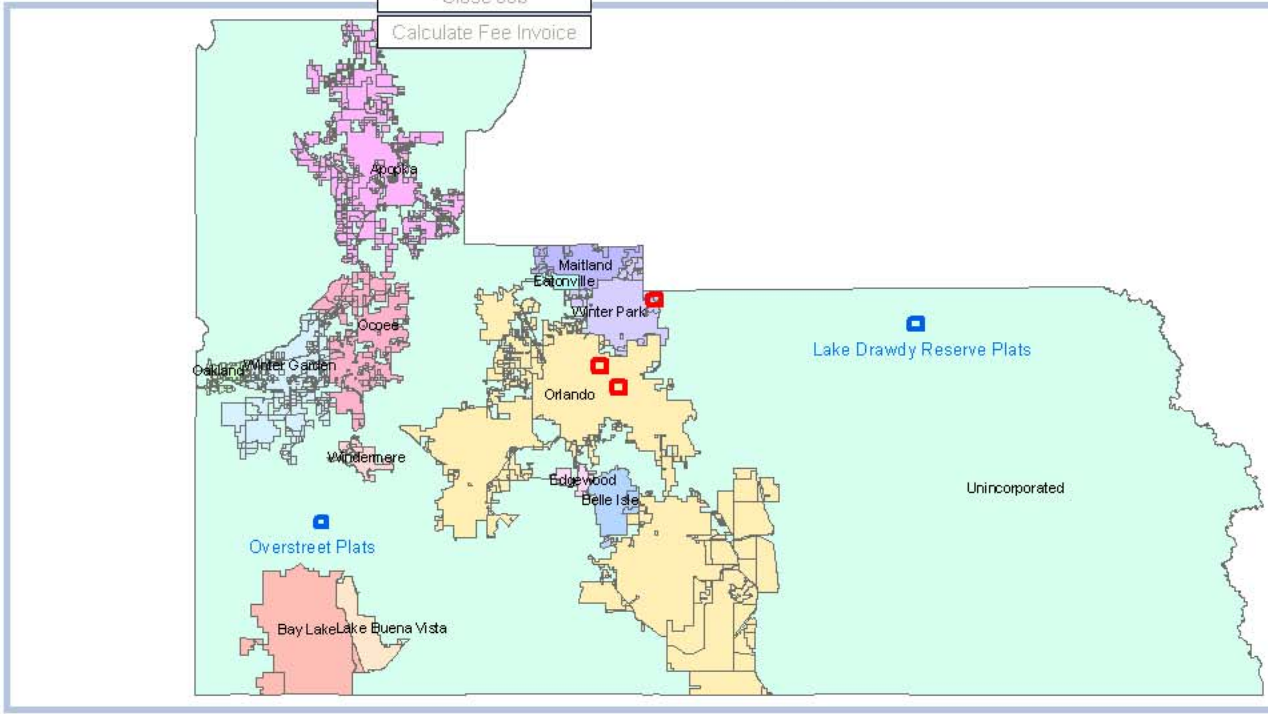
Status

User: GEOWIREwholland
Role: AddressMaintainer
Job Name: No Job
Job Type: No Job

Selection Counts:

Situs: 0, Parcel: 0, Rangeseegment: 0
Session Id: nbq0awmt44xcftenj5ln545

- Open Job
- Close Job
- Calculate Fee Invoice



- Layers
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Status

User: GEOWIREwholland
 Role: AddressMaintainer
 Job Name: ADD-20080131wholland-0005735
 Job Type: Address Assignment

Selection Counts:

Situs: 0, Parcel: 1, Rangesegment: 1
 Session Id: nbq0awmt44xcftenj5ln545





Find Job Maintain Address Data Help

Role: AddressMaintainer

Restart Quit

Maintain Address ▾

Create Address Number
 Update Address Number
 Create a new address

Selection Situs



Layers

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THE POWER OF SPATIALLY ENABLED ENTERPRISE ADDRESSING SYSTEMS



Create Address Number

-- Address Range Details --

Please select an Address Range...

	Range Id	Street Name	Parity	Side	Theoretical Min	Theoretical Max	Actual Min	Actual Max
Select	26870	Montana Street	Even	Right	1800	1898	1800	1820
Select	26869	Montana Street	Odd	Left	1801	1899	1805	1805

[Click Next to Continue](#)

[Cancel this Operation](#)

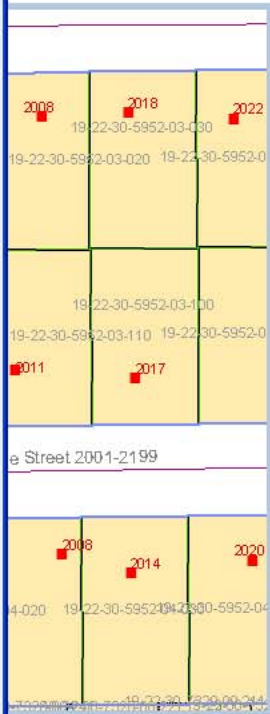
Next

Cancel

[Help](#)

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2008 2018 2022
19-22-30-5952-03-030 19-22-30-5952-0
19-22-30-5952-03-020 19-22-30-5952-0
19-22-30-5952-03-100
19-22-30-5952-03-110 19-22-30-5952-0
2011 2017
e Street 2001-2199
2008 2014 2020
4-020 19-22-30-5952-04-2300-5952-0

Status
 User: GEOWRE\wholland
 Role: AddressMaintainer
 Job Name: ADD-20080131\wholland-0005735
 Job Type: Address Assignment
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Select	26869	Montana Street	Odd	Left	1801	1899	1805	1805

[Click Next to Continue](#)

Next

[Cancel this Operation](#)

Cancel

[Help](#)

Restart Quit

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 Session Id: nbq0awmt44xcftenj5ln545

Create Address Number

-- Assign New Address Components --

Verify Background Information...

Parcel Id	302219856004040	Address Range	Odd
Street	Montana Street	Theoretical Min	1801
Municipality	Orlando	Theoretical Max	1899
		Actual Min	1805
		Actual Max	1805

Specify Address Number Information...

Address Type		Address Number	
Type	Structure	Available Numbers	Unofficial Numbers
Subtype	Structure		
	Utilities		
	Non Habitable		
Status	Temporary		
	Unofficial		

Specify Address Transaction Details...

Request Source: Waive Fees

Specify Comments...

[Click Next to Continue](#)

[Cancel this Operation](#)

Next

Cancel

Aladin

AddressMaintainer Restart Quit

Layers

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-- Assign New Address Components --

Verify Background Information...

Parcel Id	302219856004040	Address Range	Odd
Street	Montana Street	Theoretical Min	1801
Municipality	Orlando	Theoretical Max	1899
		Actual Min	1805
		Actual Max	1805

Specify Address Number Information...

Address Type		Address Number	
Type	Temporary	Available Numbers	Unofficial Numbers
Subtype	Model Home		
Status	<ul style="list-style-type: none"> Model Home Tent Construction Trailer Event Trailer Sales Trailer Other 		
Request Source	Customer	<input type="checkbox"/> Waive Fees	

Transaction Details...

Specify Comments...

Click Next to Continue

Cancel this Operation

Next

Cancel

Aladin

AddressMaintainer Restart Quit

ayers

- Situs
- Subsitus
- Ucodes
- Rangeseegment
- Block Line
- Lot Line
- Aerial Photography
- Zoning
- Rem
- Fema
- Commissioner District
- Jurisdiction
- Zipcode
- Address Grid
- Scanned Plats
- Parcel
- Hydrology
- Bound Region

Status

User: GEOWIRE\wholland
 Role: AddressMaintainer
 Job Name: ADD-20080131\wholland-0005735
 Job Type: Address Assignment

Selection Counts:

Situs: 0, Parcel: 1, Rangeseegment: 1
 Session Id: nbq0awmt44xcftenj5ln545

Create Address Number

-- Assign New Address Components --

Verify Background Information...

Parcel Id	302219856004040	Address Range	Odd
Street	Montana Street	Theoretical Min	1801
Municipality	Orlando	Theoretical Max	1899
		Actual Min	1805
		Actual Max	1805

Specify Address Number Information...

Address Type		Address Number	
Type	Temporary	Available Numbers	Unofficial Numbers
Subtype	Construction Trailer	1817	
Status	<input checked="" type="radio"/> Active <input type="radio"/> Proposed		

Specify Address Transaction Details...

Request Source: Waive Fees

Specify Comments...

[Click Next to Continue](#)

[Cancel this Operation](#)

Next

Cancel

Aladin

AddressMaintainer Restart Quit

ayers

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Status

User: GEOWRE\wholland
 Role: AddressMaintainer
 Job Name: ADD-20080131\wholland-0005735
 Job Type: Address Assignment

Selection Counts:

Situs: 0, Parcel: 1, Rangesegment: 1
 Session Id: nbq0awmt44xcftenj5ln545

Create Address Number

-- Assign New Address Components --

Please locate the new address...
Verify Background Information...

New Address Number

1817

Full Address

1817 Montana Street

Locate New Address Number on Map...

Address Location Method

- Auto-Create Address Location inside Parcel
- I will Digitize Address Location on Map

Auto-Create Location Undo

Refer to Map for location of new Address

Validate New Address Number...

Validate

Save to Database

Create

Cancel this Operation

Cancel

[Help](#)

Aladin

AddressMaintainer Restart Quit

ayers

- Situs
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Status

User: GEOWIRE\wholland
 Role: AddressMaintainer
 Job Name: ADD-20080131\wholland-0005735
 Job Type: Address Assignment

Selection Counts:

Situs: 0, Parcel: 1, Rangesegment: 1
 Session Id: nbq0awmt44xcftenj5in545

Create Address Number

-- Assign New Address Components --

Please locate the new address...
Verify Background Information...

New Address Number

1817
Full Address
1817 Montana Street

Locate New Address Number on Map...

Address Location Method

Auto-Create Address Location inside Parcel
 I will Digitize Address Location on Map

Auto-Create Location Undo

Refer to Map for location of new Address

Validate New Address Number...

Validate

Situs location is valid.

Save to Database

Create

Cancel this Operation

Cancel



- Situs
- Subsitus
- Ucodes
- Rangeseegment
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- Bound Region

Status
 User: GEOWFREwholland
 Role: AddressMaintainer
 Job Name: ADD-20080131wholland-0005735
 Job Type: Address Assignment
Selection Counts:
 Situs: 0, Parcel: 1, Rangeseegment: 1
 Session Id: nbq0awmt44xcftenj5ln545

Create Address Number

-- Results --

Creation of address was successful. A summary is shown below.

Create Another

Close Window

Create Address

Close

Address Creation Summary

ShowResults

[Help](#)

Restart

Quit



- Situs
- Subsitus
- Ucodes
- Rangeseegment
- Block Line
- Lot Line
- Aerial Photography
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Status

User: GEOWFRE\wholland
 Role: AddressMaintainer
 Job Name: ADD-20080131\wholland-0005735
 Job Type: Address Assignment

Selection Counts:

Situs: 0, Parcel: 1, Rangeseegment: 1
 Session Id: nbq0awmt44xcftenj5ln545

Create Address Number

-- Results --

Creation of address was successful. A summary is shown below.

[Create Another](#) [Close Window](#)

Address Creation Summary

[Hide Results](#)

SITUS LOCATION

Situs Feature Insert

OBJECTID	1269448
SITUS_ID	447895
X_COORD	541508.6
Y_COORD	1537371
ADDRESS_TYPE	
ADDRESS_STATUS	
DT_CREATED	1/31/2008 7:55:20 AM
DT_LAST_MOD	1/31/2008 7:55:20 AM

Situs Transaction Insert

TRANSACTION_ID	99257
SITUS_ID	447895
JOB_ID	5735
EDITOR_ID	wholland
EDIT_REASON	Create
EDIT_METHOD	Feature Position Derived
DT_TRANSACTION	1/31/2008 7:55:19 AM

ADDRESS

Address Insert/Update

ADDRESS_ID	471445
SITUS_ID	447895
STREETNAME_ID	5284

Address Transaction Insert

TRANSACTION_ID	99258
ADDRESS_ID	471445
JOB_ID	5735

Address History Insert

TRANSACTION_ID	99258
ADDRESS_ID	471445
JOB_ID	5735

Aladin

AddressMaintainer Restart Quit

Layers

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Status

User: GEOWRE\wholland
 Role: AddressMaintainer
 Job Name: ADD-20080131\wholland-0005735
 Job Type: Address Assignment

Selection Counts:

Situs: 0, Parcel: 1, Rangeseegment: 1
 Session Id: nbq0awmt44xcftenj5ln545

Enterprise Address Insert

ENTERPRISE_ADDRESS_ID 557200

ADDRESS_ID 471445

ADDRBUILDING_ID

ADDRLEVEL_ID

ADDRUNIT_ID

Range Update		Primary RANGE		Range History Insert	
RANGE_ID	26869	TRANSACTION_ID	99259	TRANSACTION_ID	99259
RANGESEGMENT_ID	246360	RANGE_ID	26869	RANGE_ID	26869
STREETNAME_ID	5284	JOB_ID	5735	RANGESEGMENT_ID	246360
THEORETICAL_MIN	1801	EDITOR_ID	wholland	STREETNAME_ID	5284
THEORETICAL_MAX	1899	EDIT_REASON	Modify	THEORETICAL_MIN	1801
ACTUAL_MIN	1805	EDIT_METHOD	Not Applicable	THEORETICAL_MAX	1899
ACTUAL_MAX	1817	DT_TRANSACTION	1/31/2008 7:55:19 AM	ACTUAL_MIN	1805
SIDE	Left			ACTUAL_MAX	1805
PARITY	Odd			SIDE	Left
MUNICIPAL_JURISDICTION	Orlando			PARITY	Odd
ZIPCODE	32803			MUNICIPAL_JURISDICTION	Orlando
RANGE_STATUS	Active			ZIPCODE	32803
RANGE_TYPE	Public			RANGE_STATUS	Active
ADDRESS_GRID	Orlando			RANGE_TYPE	Public
COMMENTS				ADDRESS_GRID	Orlando
RULE_VIOLATION				COMMENTS	
DT_CREATED	9/6/1988 12:00:00 AM			RULE_VIOLATION	
DT_LAST_MOD	1/31/2008 7:55:19 AM			DT_CREATED	9/6/1988 12:00:00 AM
VERSION	1			DT_LAST_MOD	9/6/1988 12:00:00 AM
				VERSION	0

Sibling RANGE

Range Update Range Transaction Insert Range History Insert

STREETNAME

Streetname Update Streetname Transaction Insert Streetname History Insert

Aladin

AddressMaintainer Restart Quit

Layers

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Status

User: GEOWFREwholland
 Role: AddressMaintainer
 Job Name: ADD-20080131wholland-0005735
 Job Type: Address Assignment

Selection Counts:

Situs: 0, Parcel: 1, Rangesegment: 1
 Session Id: nbq0awmt44xcftenj5ln545

Find Address - Microsoft Internet Explorer

ENTERPRISE ADDRESSING *Aladin*

Find Address

Enter a Street Base Name, optional Jurisdiction...

Choose Jurisdiction
Enter Street Base Name

[Help](#)

Local intranet

Aladin

Role:

[Links >>](#)

Layers

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- Bound Region

Status

User: GEOWREIwholland
 Role: GisMaintainer
 Job Name: No Job
 Job Type: No Job

Selection Counts:

Situs: 0, Parcel: 0, Rangeseegment: 0
 Session Id: nbq0awmt44xcftenj5ln545

Local intranet

Find Address

Enter a Street Base Name, optional Jurisdiction...

Choose Jurisdiction

ALL

Enter Street Base Name

Oregon

Find Clear

Enter address search criteria...

Select a Street-Address Range:

Select	Street Name	Jurisdiction
Select	Oregon Avenue	Unincorporated
Select	Oregon Street	Orlando
Select	Oregon Woods Court	Unincorporated

Enter an address number (optional):

Find Addresses

Locate on Map

Locate

Close Window

Close

[Help](#)

Aladin

Role: **GisMaintainer** [Restart](#) [Quit](#)

[Layers](#)

- Situs
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- Bound Region

Status

User: GEOWIRE\wholland
 Role: GisMaintainer
 Job Name: No Job
 Job Type: No Job

Selection Counts:

Situs: 0, Parcel: 0, Rangesegment: 0
 Session Id: nbq0awmt44xcftenj5ln545

Local intranet

Find Address - Microsoft Internet Explorer

Select Oregon Avenue Unincorporated
Select Oregon Street Orlando
 Select Oregon Woods Court Unincorporated

Enter an address number (optional):

Choose an Address, click on 'Locate on Map' button

No Exact Match Found. All Address on Street listed.

Select	Number	Address	City
Select	800	Oregon Street	Orlando
Select	807	Oregon Street	Orlando
Select	811	Oregon Street	Orlando
Select	815	Oregon Street	Orlando
Select	818	Oregon Street	Orlando
Select	823	Oregon Street	Orlando

1 2 3 4 5 6 7 8 9 10 ... >>

Address Details

Full Address	Address Type	Address Subtype	Address Status	Official Parcel Id
807 Oregon Street	Structure		Active	292224446801160

[Help](#)

Aladin

Role: GisMaintainer

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- Bound Region

Status

User: GEOWIRE\wholland
 Role: GisMaintainer
 Job Name: No Job
 Job Type: No Job

Selection Counts:
 Situs: 0, Parcel: 0, Rangesegment: 0
 Session Id: nbq0awmt44xcftenj5ln545



- Layers**
- Situs
 - Subsites
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 - Parcel
 - Hydrology
 - Bound Region

Status

User: GEOWIRE\wholland
 Role: GisMaintainer
 Job Name: No Job
 Job Type: No Job

Selection Counts:

Situs: 1, Parcel: 1, Rangeseegment: 0
 Session Id: nbq0awmt44xcftenj5ln545



SAS® Portal



Aladin Address Management Home

Sticky: Address Assign Mgmt

Key Address Custom Report Generators

Shared: Address Assign Mgmt

Click here to refresh collection.

- [Street Petition Notification to Owners](#)
Creates letters and letter labels for a specific street name petition job and posts them to the Aladin repository.
- [Street Petition Notification to Agencies](#)
Creates a memo to selected government agencies on a specific street name petition job and posts it to the Aladin repository.
- [Model Home Notification to Agencies](#)
Creates static content that can be sent to agencies or consumers regarding model homes assigned for a specific Enterprise Address application CAS job; the content is posted to the Aladin repository.

Key Address Standard Reports

Shared: Address Assign Mgmt

Click here to refresh collection.

- [New Addresses - From Last Week.srx](#)
Lists active address from the last full week of business, pulling data from the CAS database.

Key Address Custom Report Output

Shared: Address Assign Mgmt

Search

Location: Show description

Name	Author	Date Modified	Keywords
Admin		10/01/2007	[]
Mgmt		10/01/2007	[]

Key Address Assignment Links

Shared: Address Assign Mgmt

Click here to refresh collection.

- [Orange County Enterprise Address Application CAS](#)
The County's official tool for address data maintenance.
- [Orange County Intranet Home Page](#)
The County's official internal home page.
- [Orange County Intranet InfoMap Home Page](#)
County's official GIS-based information query and reporting site.
- [Orange County Internet Home Page](#)
County's official internet web site.



New Addresses from Last Week

The following table lists new, active addresses added to Orange County during the previous full week of business, from Sunday to Saturday. This table is generated automatically by the Aladin Addressing System, which is operated by the Growth Management Zoning Department. Should you have any questions or comments, please contact Carol Hossfield by email at Carol.Hossfield@ocfl.net or by phone at 407-836-5585.

Enterprise Address Id	Fulladdress Number	Complete Streetname	Zip 5	Address Type	Address Subtype	Official Parcel Id	Date Created
557333	1338	Enka Way	32818	Structure		282224000000060	09/27/07
557332	7552	Futures Drive	32819	Temporary	Construction Trailer	292332822101000	09/27/07
557327	7442	International Drive	32819	Structure		282325000000016	09/25/07
557287	3303	Lake Margaret Drive	32806	Structure		302308000000009	09/24/07
557288	3307	Lake Margaret Drive	32806	Utilities	Irrigation Meter	302308000000009	09/24/07
557291	3309	Lake Margaret Drive	32806	Structure		302308000000008	09/24/07
557290	3313	Lake Margaret Drive	32806	Utilities	Lift Station	302308000000008	09/24/07
557289	3349	Lake Margaret Drive	32806	Structure		302308000000008	09/24/07
557292	3357	Lake Margaret Drive	32806	Structure		302308454200130	09/24/07
557328	325	Maguire Boulevard	32803	Non Habitable	Toll Booth	302229000010035	09/25/07
557326	4718	Rosewood Drive	32806	Structure		302318000000012	09/24/07
557325	4717	S Fern Creek Avenue	32806	Utilities	Cable Box	302318000000005	09/24/07
557336	3301	S Semoran Boulevard	32822	Temporary	Model Home	302310000000001	09/28/07
557330	3307	S Semoran Boulevard	32822	Structure		302310000000001	09/27/07
557286	7704	Silver Star Road	32818	Temporary	Construction Trailer	282214000000025	09/24/07

Date Report Was Generated: Tuesday, October 2, 2007 6:58:00 PM EDT

SAS Information Delivery Portal - Microsoft Internet Explorer provided by SAS

File Edit View Favorites Tools Help Links LLU Portal SIMS InfoSite eStars Cafe ACH MRV AML 1.3 AML Server Customize Links ETrade FSP MRV webEIS

Back Forward Stop Home Refresh Search Favorites Search Google Search Web PageRank Site popups all Go

Address http://18278:8080/Portal/navigate.do?PortalPage=PortalPage%2Bomi%3A%2F%2FFoundation%2Fresposname%3DFoundation%2FP5PortalPage%3Bid%3DA5PORIDP.BA0002BD

SAS® Portal Options Search Log Off Help

Current Page Add Portlets

Key Performance Scorecard Ora

Orange County BIS Scorecard

Scorecards Tables Views Dia

Orange County: Key Metrics, S

Measures

- Permits Issued
- Permits Rejected
- Inspections Completed
- Inspections Delayed
- Certificates Granted
- Inspections Scheduled

Orange County BIS Reports

Click here to refresh collection.

- Permit Issuance Detail Report
Permit Issuance Details Report
SAS Demo User
- Inspections Detail Report
Inspections Detail Report
SAS Demo User
- Inspections Calendar
Inspections Calendar
SAS Demo User
- Permits Forecast Report
Permits Forecast Report
SAS Demo User

SAS Web OLAP Viewer for Java - Microsoft Internet Explorer provided by SAS

Select Data Source Log Off Help

SAS Web OLAP Viewer - OrangeCoCube

File Data View

Selected Items:

- Rows
 - Contractor hierarchy
- Columns
 - Yr->qtr->month
 - Sum of feespaid
 - Sum of feesforecast
- Slicer
 - Inspection type
 - Permit type

Add Remove

Available Items:

- OrangeCoCube
 - Yr->qtr->month
 - Contractor hierarchy
 - Sum of feespaid
 - Average feesforecast
 - Sum of feesforecast
 - Inspection type
 - Permit type
 - Average feespaid
 - Average permits
 - Sum of permits

Apply Restore

View Columns 1 - 5 of 12

year		2000		2001		2002
		Sum of feespaid	Sum of feesforecast	Sum of feespaid	Sum of feesforecast	Sum of feespaid
Commercial	Disney	\$117,295	\$118,302	\$117,502	\$118,214	\$108,385
	JBL Construction	\$23,747	\$30,143	\$23,818	\$30,004	\$22,006
	Orange Development	\$34,669	\$47,279	\$34,729	\$47,168	\$31,990
Residential	Best Construction	\$31,200	\$31,980	\$31,200	\$31,980	\$28,800
	KB Homes	\$16,079	\$17,458	\$16,126	\$17,650	\$14,687
	Taylor Properties	\$31,673	\$33,185	\$31,605	\$33,234	\$29,106

View

http://support.sas.com/documentation/onlinedoc/olapviewer/help/ Local intranet

http://18278:8080/Portal/# Local intranet

IMPLEMENTATION

CHALLENGES TO EAS IMPLEMENTATION

Managing
Change

Partnerships
and
Collaboration

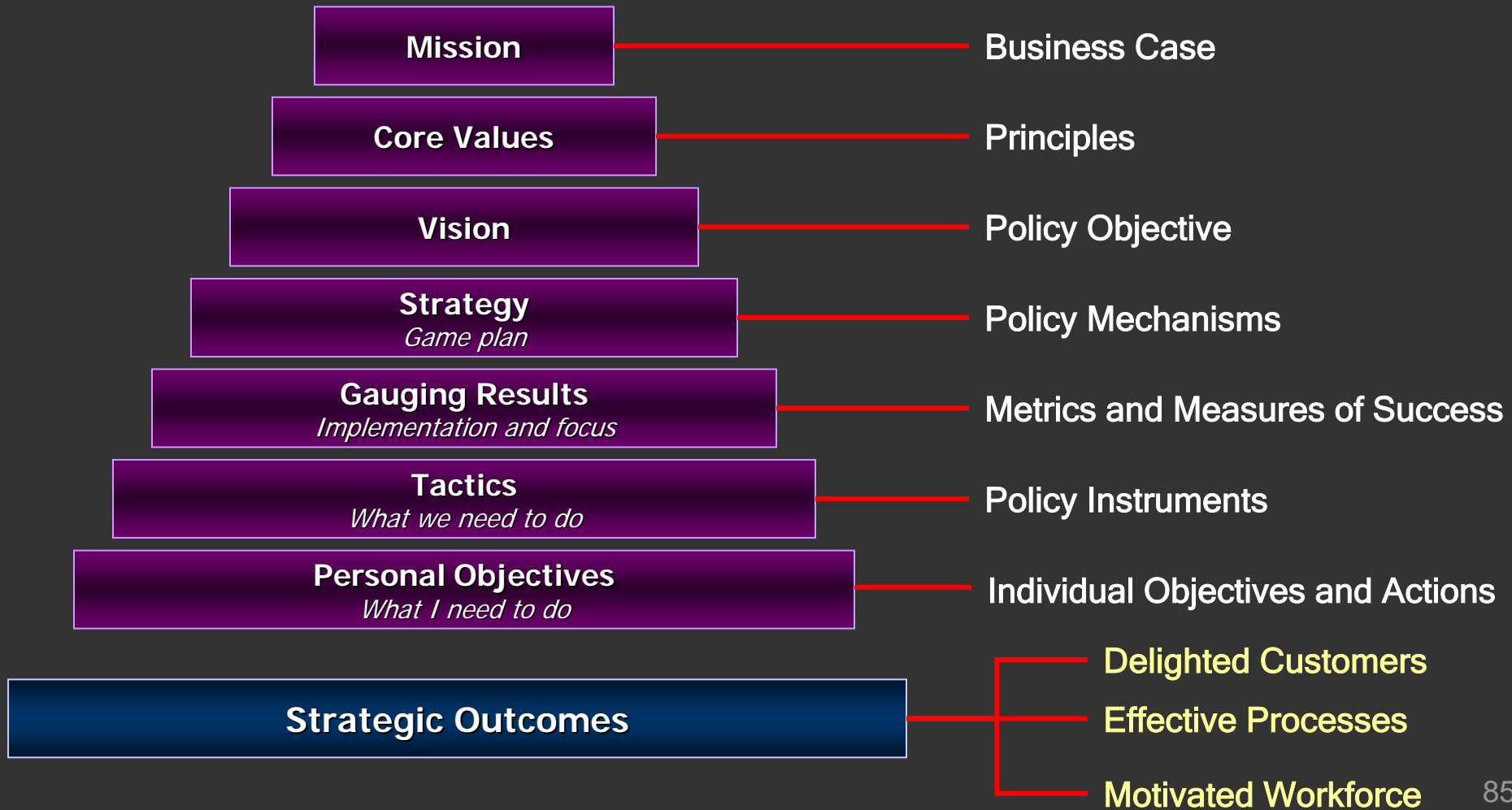
Vision,
Strategy, and
Execution

Achieving
Sustainability

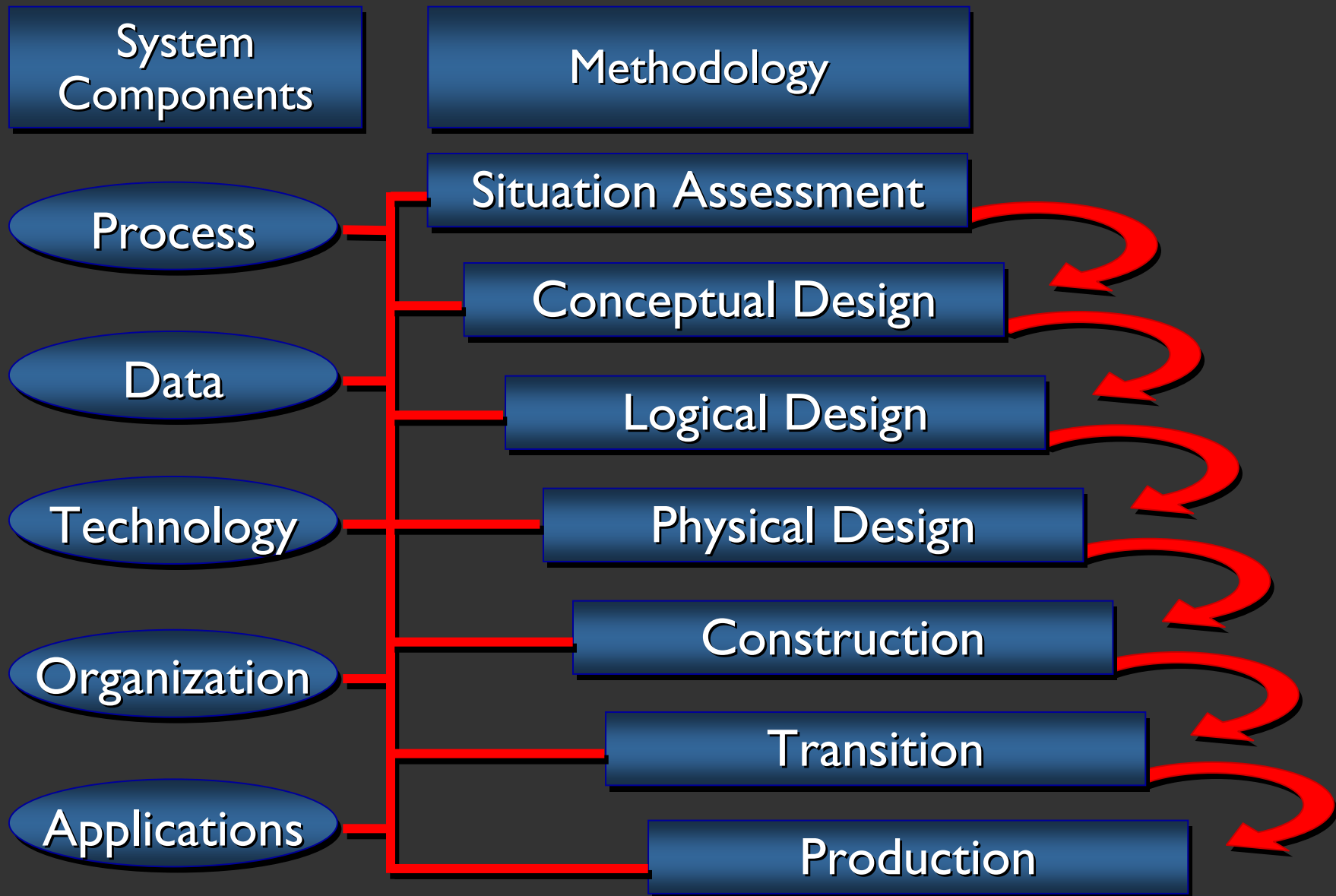
GIS and IT
Convergence

IMPLEMENTING AN EAS - STRATEGY

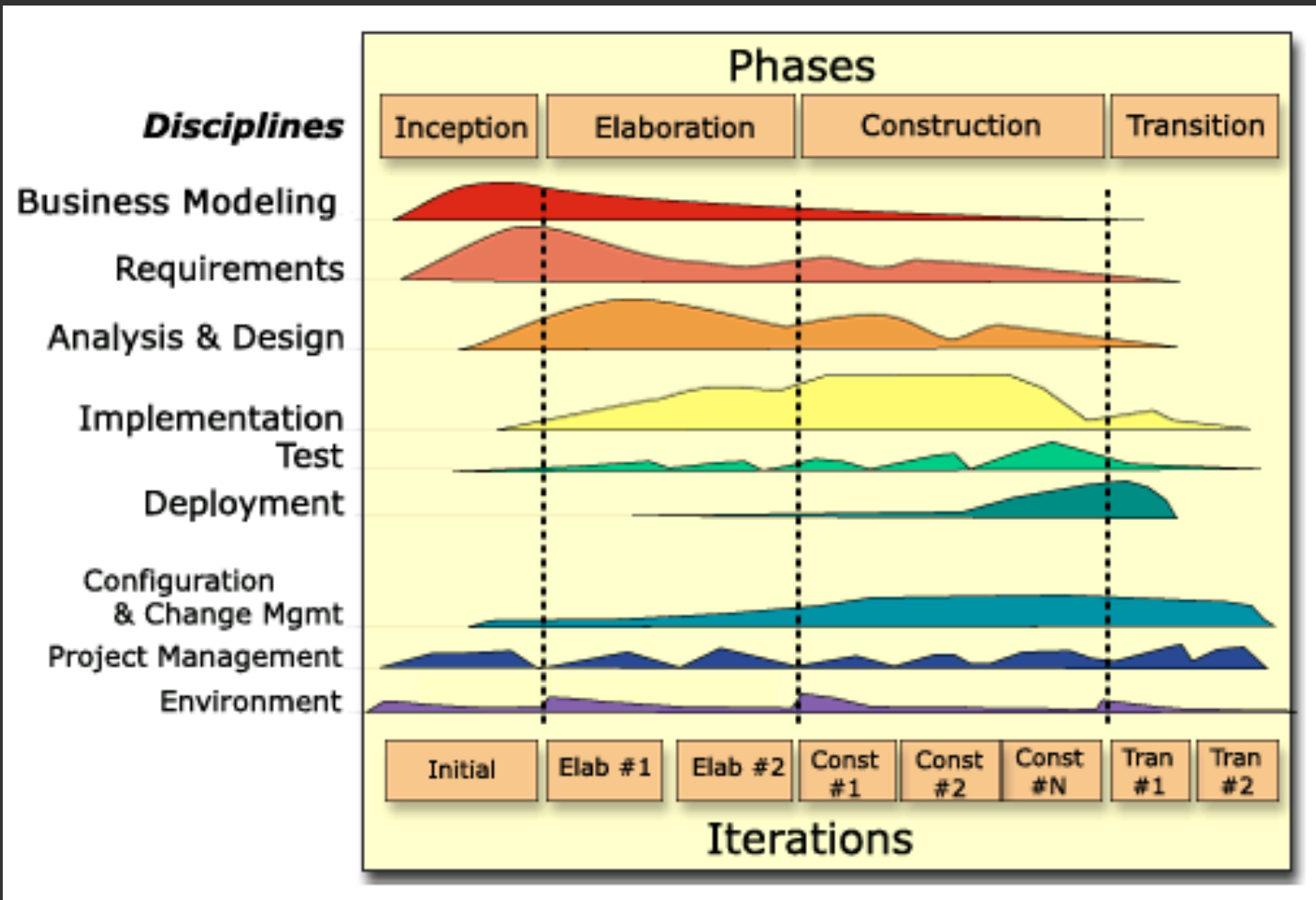
Adapted From: *The Strategy Focused Organization*, Kaplan & Norton, 2001



IMPLEMENTING AN EAS - METHODOLOGY I



IMPLEMENTING AN EAS - METHODOLOGY 2



Rational Unified Process™

CHALLENGES TO EAS IMPLEMENTATION

- Managing Change
 - From Status Quo
 - In Both Process and Systems
 - In New Staff Skills
 - Database Development and Administration
- Getting Participation and Support
 - All Stakeholders
 - External Partners (Development Community)
- Incremental Solutions
 - Help Producers and then Users?

DISCUSSION

THE POWER OF SPATIALLY ENABLED ENTERPRISE ADDRESSING SYSTEMS

William Holland
CEO
GeoAnalytics

This Presentation Will Be Available At:

<http://geoanalytics.com/library/>

 **GeoAnalytics**[®]
spatial intelligence systems

