


**Address Points:
Improving Efficiency for Local
Governments**

by:
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Thesis

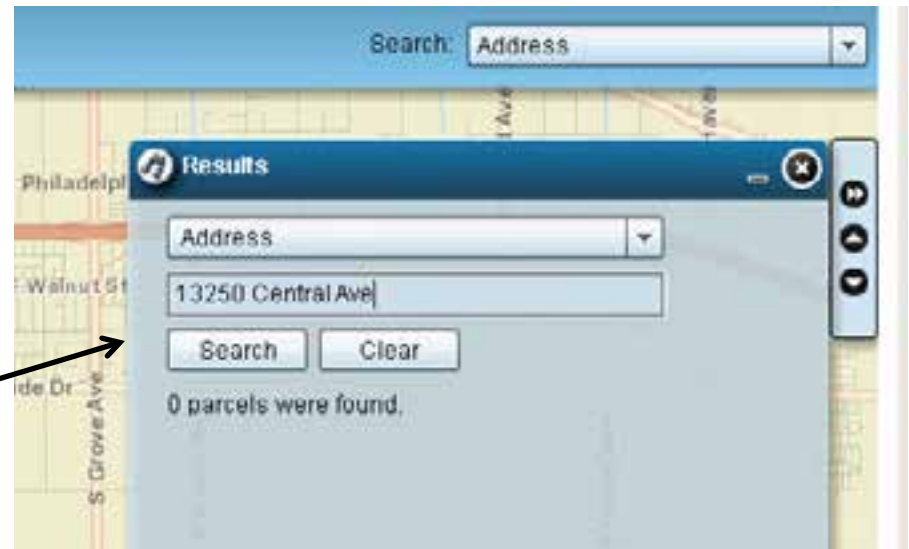
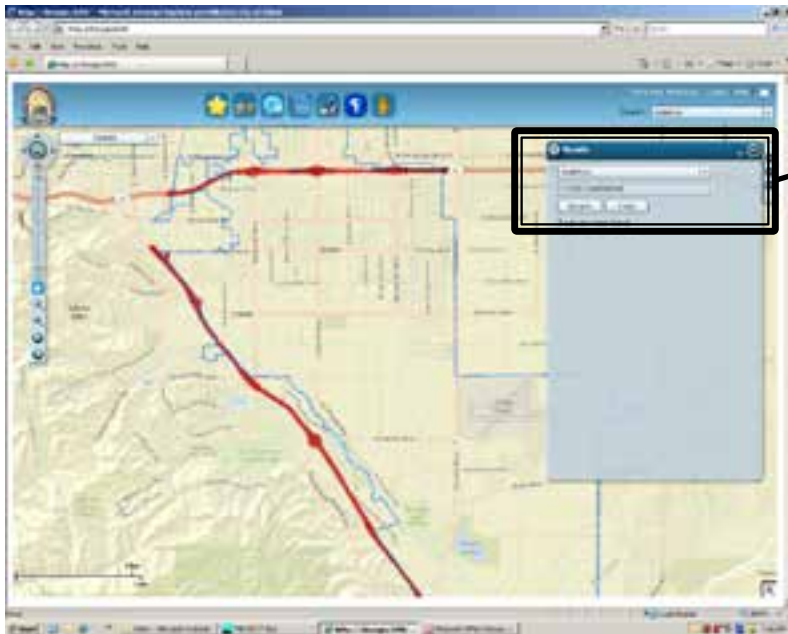
} An accurate and complete set of Address Points is a superior solution to street centerline or parcel geocoding. Address Points can be created from a city government's multiple, internal spreadsheets and databases, utilizing Microsoft Excel and GIS in combination with street centerline and parcel geocoding, resulting in a Master Address File and Address Points that can be used citywide.



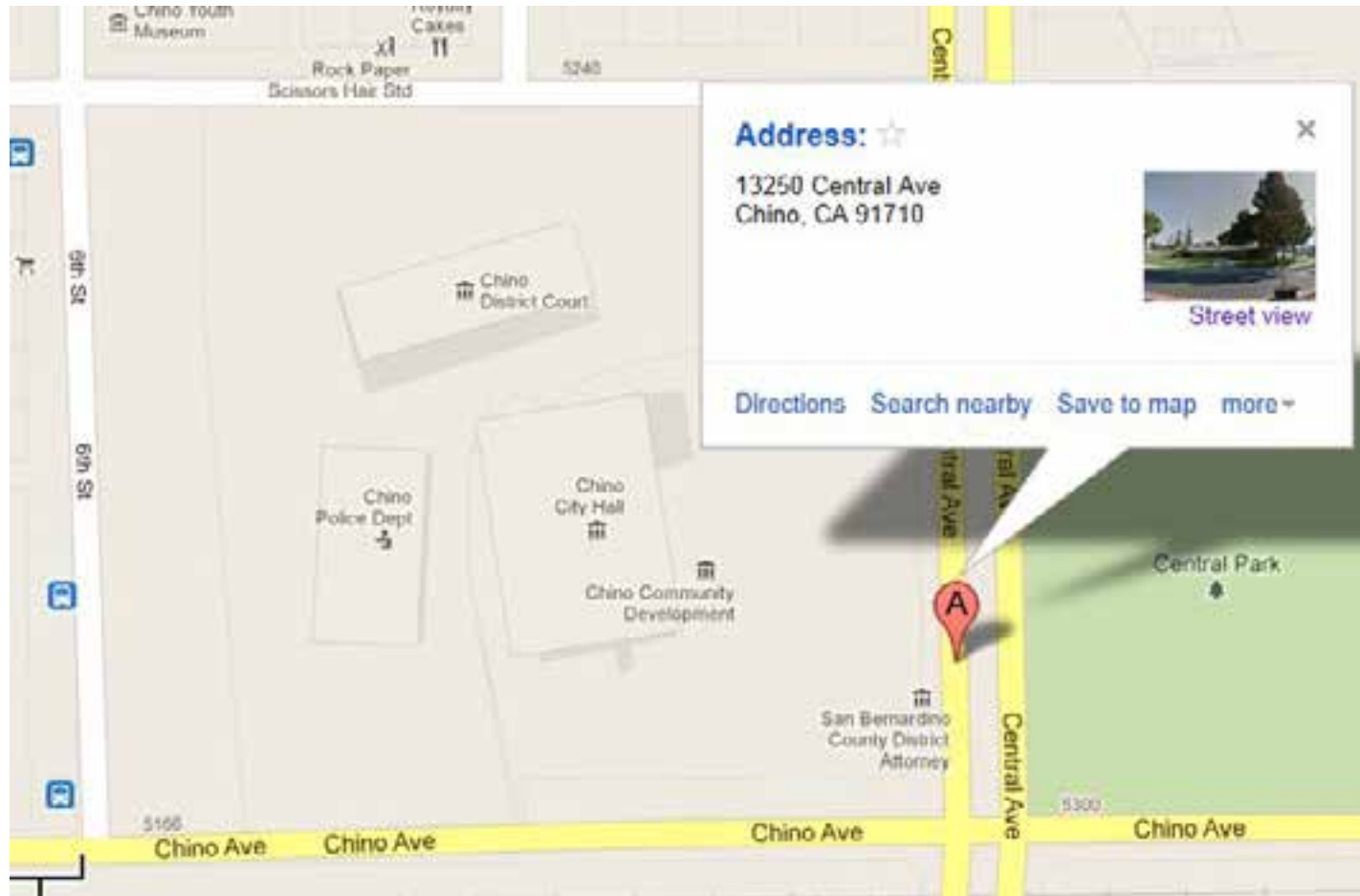
Why?



Address Search Results



Can I just use Google Maps?



What am I supposed to do?



Address Points

- } An accurate and complete set of Address Points is a superior solution to street centerline or parcel geocoding.

Parcel Geocoding



Parcel Geocoding (cont.)



Street Centerline Geocoding



Viramontes Express



Address Points



Address Points (cont.)



Creating Address Points

- } Address Points can be created from a city government's multiple, internal spreadsheets and databases, utilizing Microsoft Excel and GIS in combination with street centerline and parcel geocoding.

Multiple Address Lists

- } Parcel Layer
 - } Project Database
 - } Finance Database
- 

Street Type Terms

TERM	PARCEL LAYER	PROJECT DATABASE		FINANCE DATABASE	
AVENUE	AVE	AVE	AVENUE	AVE	AVENUE
BOULEVARD	BLVD	BLVD		BLVD	
CIRCLE	CIR	CIR		CIR	
COURT	CT	CT	COURT	CT	
DRIVE	DR	DR		DR	
LANE	LN	LN	LANE	LN	
LOOP	LP		LOOP		
PARKWAY	PKWY	PKWY		PKWY	
PLACE	PL	PL		PL	
ROAD	RD	RD		RD	
STREET	ST	ST	STREET	ST	
TERRACE	TER				
TRAIL	TR		TRAIL		
WAY	WY		WAY	WY	WAY

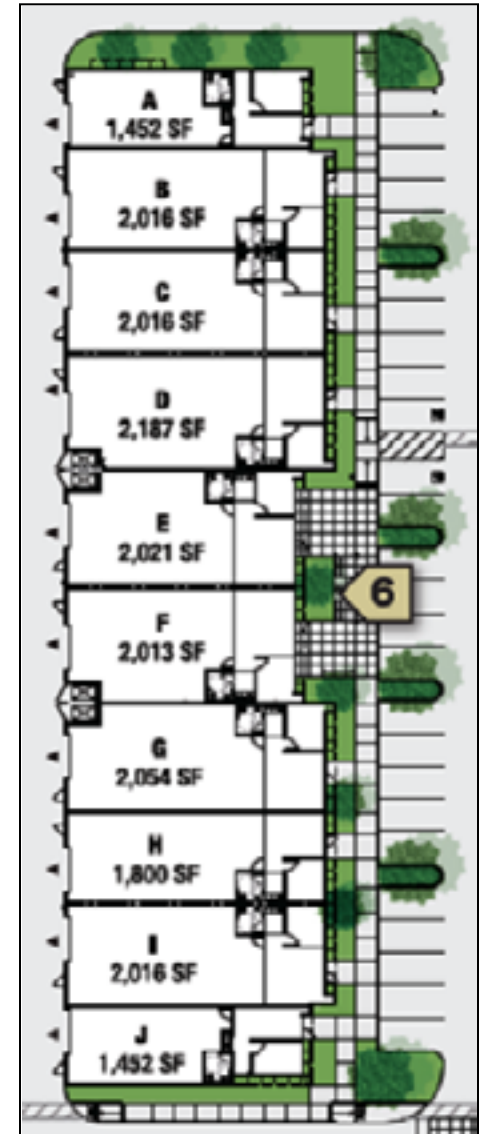
Address Components

Component	Description
NUMBER	Address number
PREDIR	Prefix direction for the address
STREETNAME	Street name for the address
STREETTYPE	Street type for the address
BUILDING	Building designator
SUITE_UNIT	Suite or unit designator
CITY	City in which the address is located
STATE	State in which the address is located
ZIP	Zip Code in which the address is located
NAMETYPE	Street Name and Street Type combined
PROPADDR	Number, Predir, Street Name, Street Type, Building, and Suite/Unit combined
FULLADDR	All individual address components combined (Number, Predir, Street Name, Street Type, Building, Suite/Unit, City, State, and Zip)

Directory Map



6 13949 Ramona Ave.



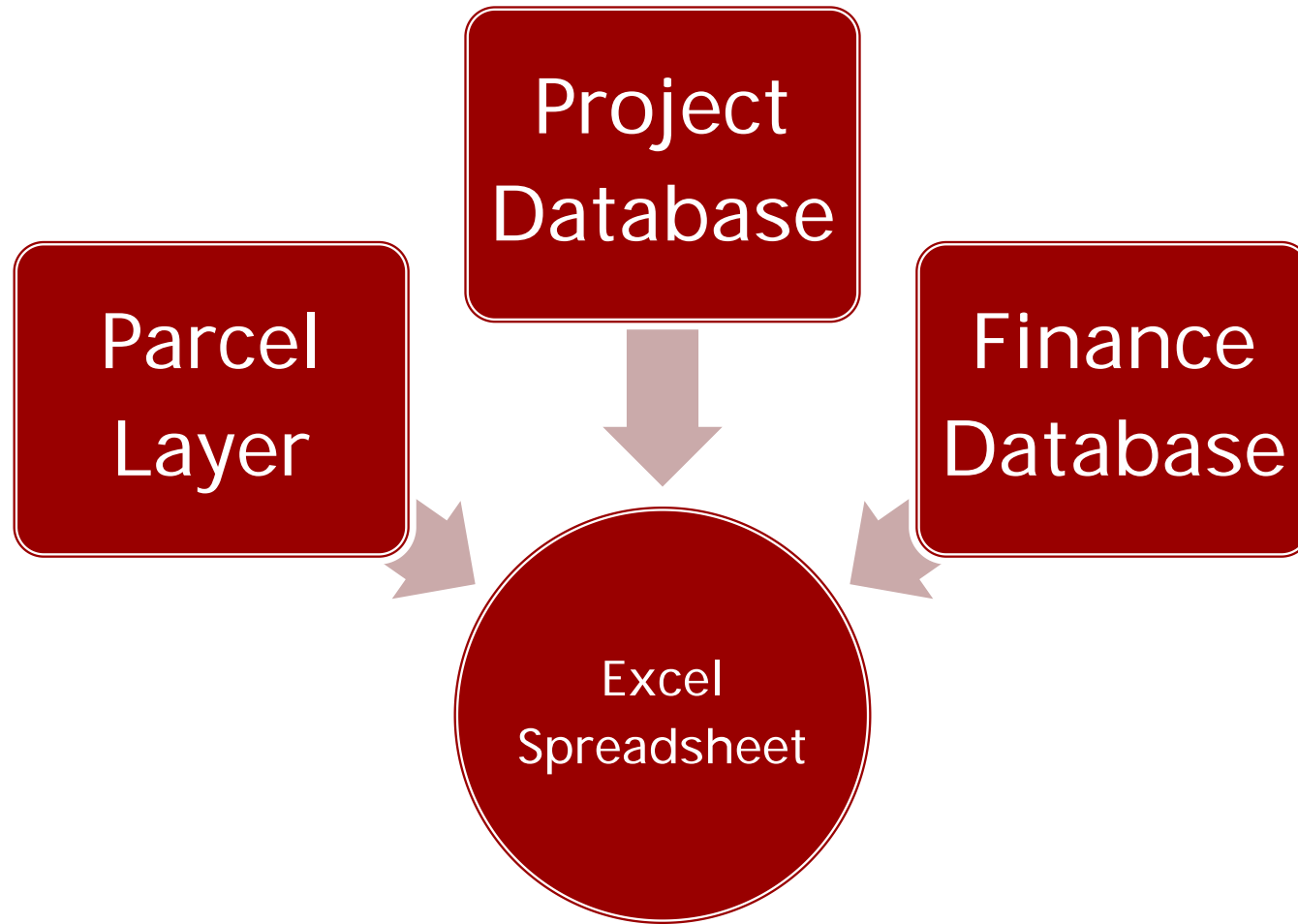
Step 1 – Feature to Point



Step 2 - Cleanup



Step 3 – Combining Address Lists



Step 4 – Geocoding



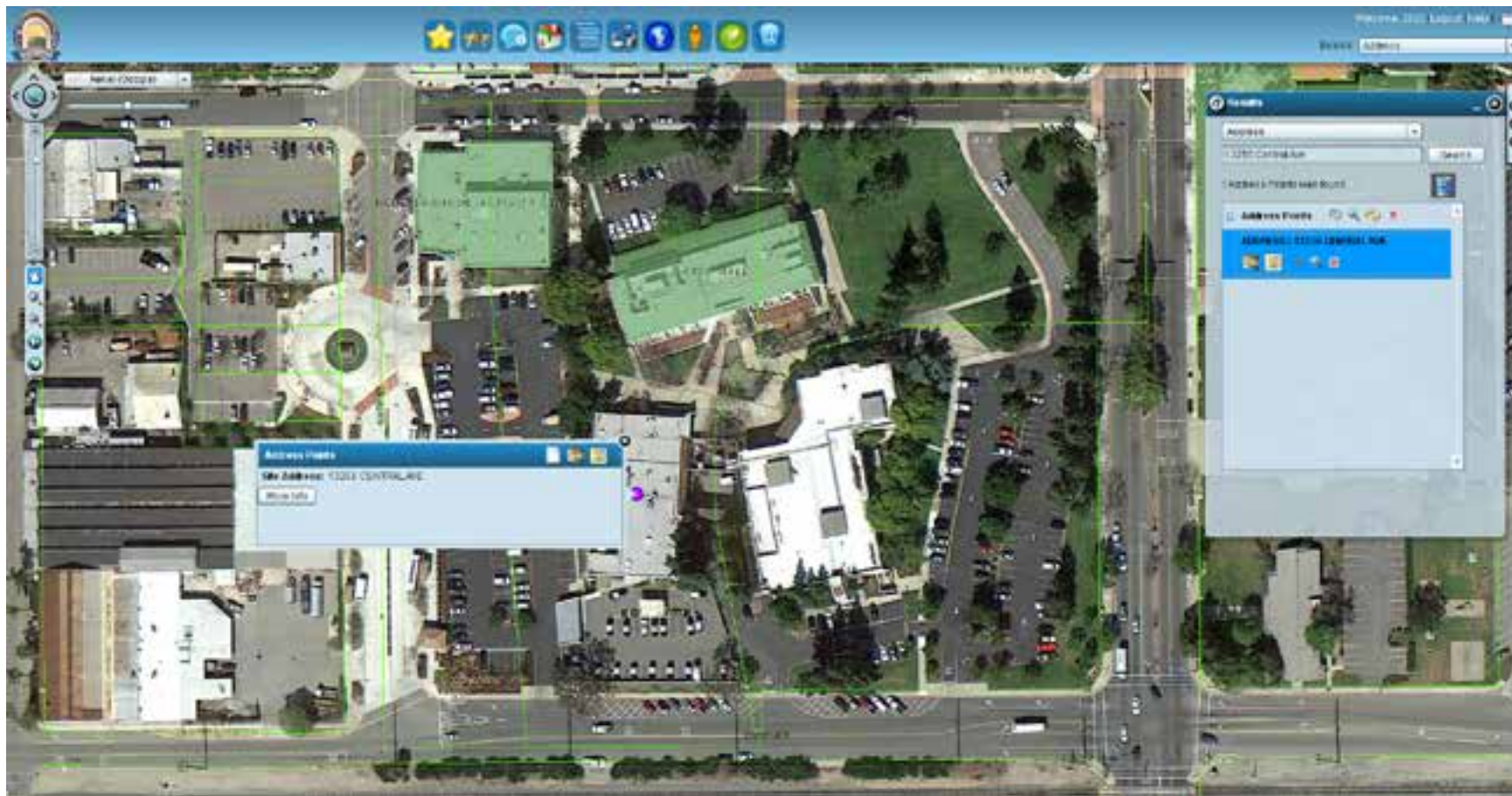
Master Address File

- } Resulting in a Master Address File and Address Points that can be used citywide.

Thank You!



Address Points



Conclusion

- } This thesis demonstrates that an accurate and complete set of Address Points is a superior solution to street centerline or parcel geocoding. Address Points can be created from a city government's multiple, internal spreadsheets and databases, utilizing Microsoft Excel and GIS in combination with street centerline and parcel geocoding, resulting in a Master Address File and Address Points that can be used citywide.
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