# Geocoding is Changing in New York State



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# **Big Changes in NYS**

- Office of Information Technology Services
  - Consolidated IT activities and personnel into one agency
  - Created the position of Geographic Information Officer (GIO) in NYS:
    William Johnson





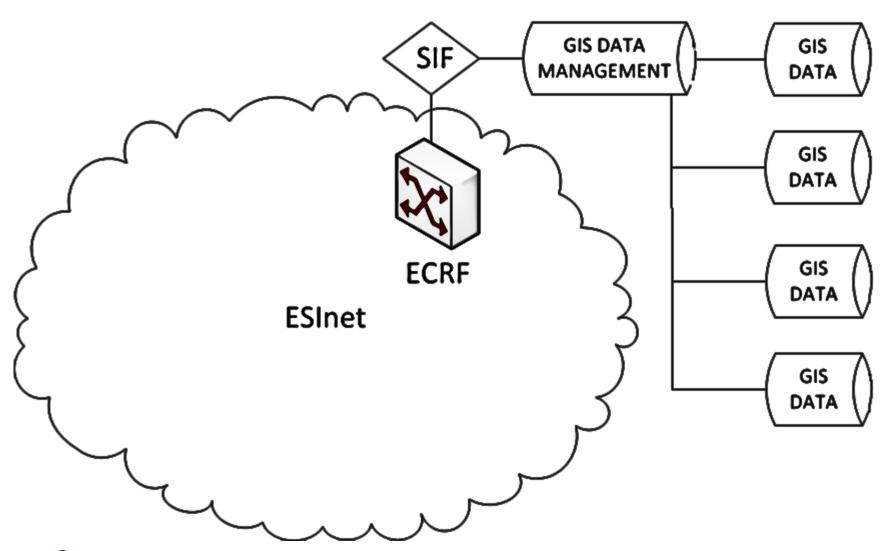
# **SAM Project Objective**

Create a statewide authoritative address point database to support Next Generation 9-1-1 and other purposes





### NG9-1-1 and GIS Data







# **SAM Project**

Address Data Development – Intrado

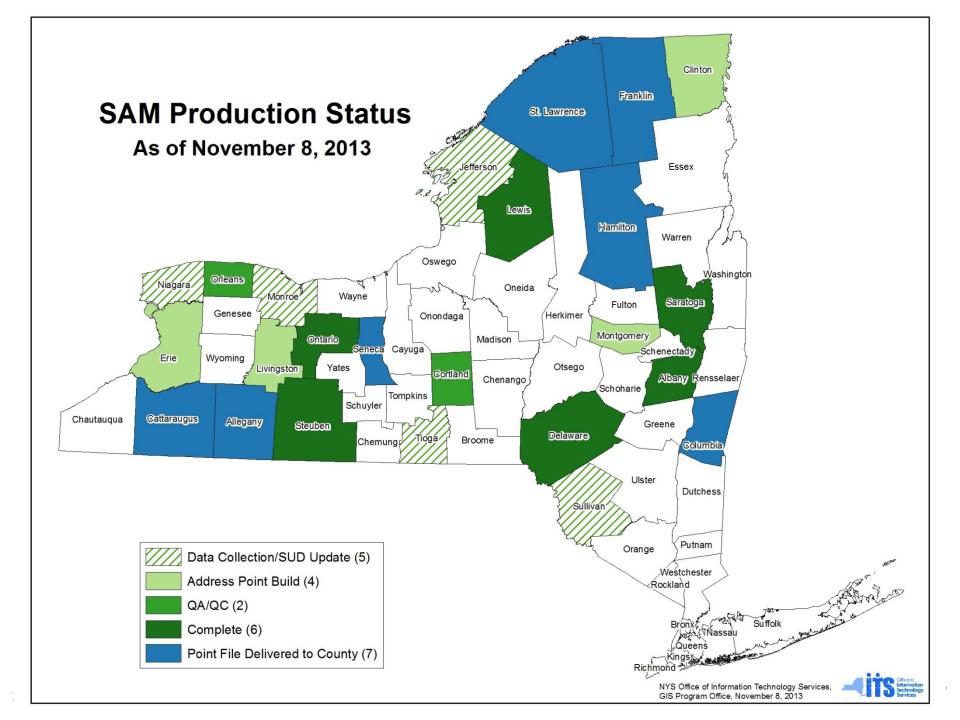


 Address and Street Data Maintenance Tool -GeoComm









SINGLE SAMPLING PLANS FOR NORMAL INSPECTION																								
Sample	Sample				ACCEPTABLE QUALITY LEVELS (NORMAL INSPECTION)																			
size code		0		0.1		0.15		0.25		0.4		0.65		1.0		1.5		2.5		4		6.5		
letter	size	Ac	Re	Ac	Re	Ac	Re	Ac	Re	Ac	Re	Ac	Re	Ac	Re	Ac	Re	Ac	Re	Ac	Re	Ac	Re	
Α	2		i i																			0	.1	
В	3																	- 1		0	1		•	
C	5														2		,	0	1	4			_	
D	8								0						4	0	1	13	•	7		1	2	
Ε	13												7	0	1		•	4		1	2	2	3	
F	20							7.5	. 8		•	0	1		_		7	1	2	2	3	3	4	
G	32								A	0	1					1	2	2	3	3	4	5	6	
Н	50							0	1		•			1	2	2	3	3	4	5	6	7	8	
J	80					0	1	0.00				1	2	2	3	3	4	5	6	7	8	10	11	
K	125	1000	Ž., 1	0	1		9			1	2	2	3	3	4	5	6	7	8	10	11	14	15	
L	200	0	1	4	•			1	2	2	3	3	4	5	6	7	8	10	11	14	15	21	22	
M	315	<b>A</b>		V		1 2		2	3	3	4	5 6		7 8		10 11		14 15		21 22				
N	500	1 2		1 2 2 3		2 3 3 4		3	4	5	6	7 10	11	10	11	14	15	21	22	<b>A</b>				
Р	800							5	6	7	8			14	15	21	22	<b>A</b>						
Q	1250	2	3	3	4	5	6	7	8	10	11	14	15	21	22									
R	2000	3 4		5 6		7 8		10 11		14	15	21 22		<b>A</b>								A STATE OF		

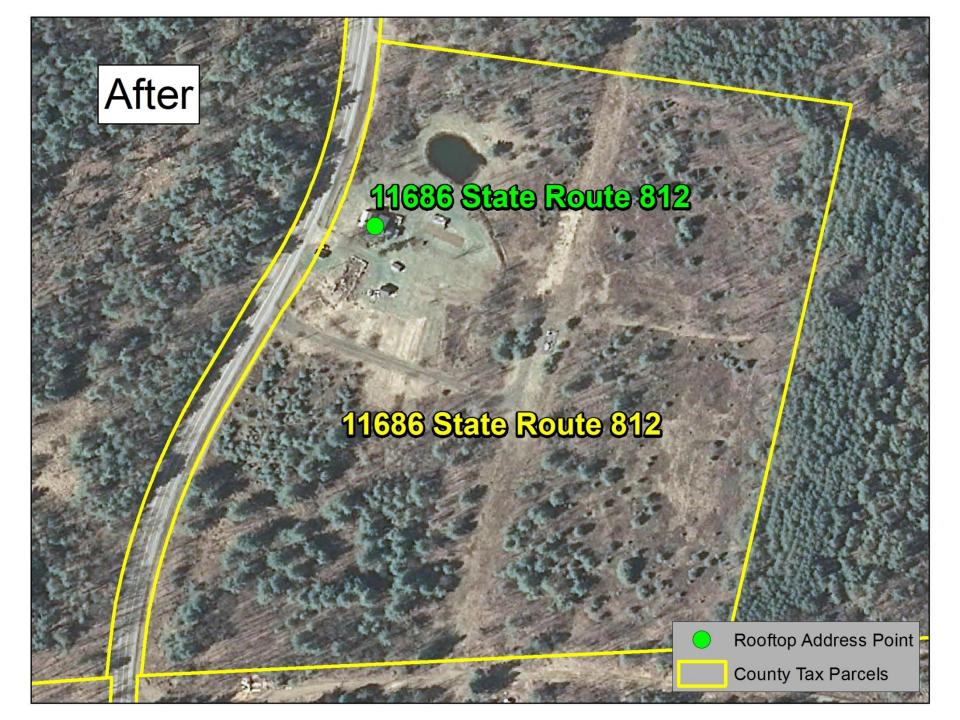
Use first sampling plan below arrow. If sample size equals, or exceeds, lot or batch size, do 100% inspection. Use first sampling plan above arrow.

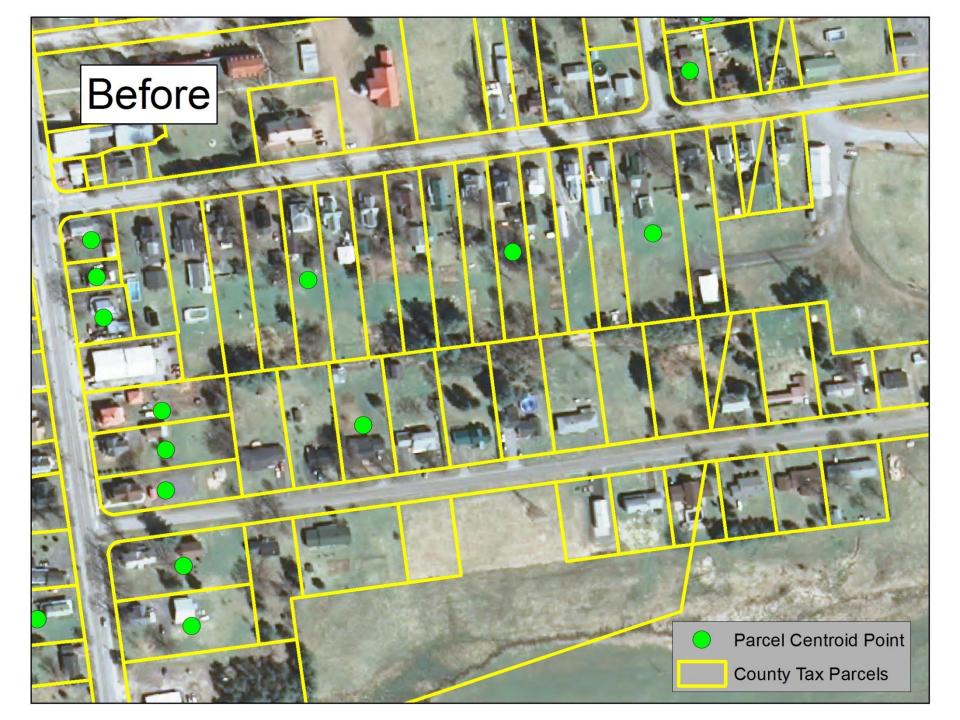
Ac Acceptance number Re Rejection number



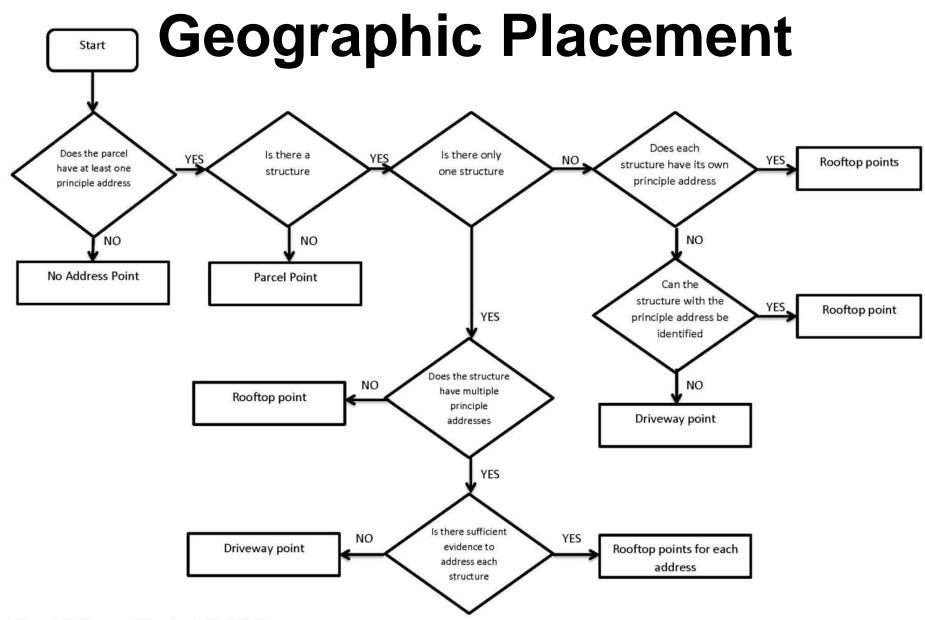












# **Address Point Delivery Types**

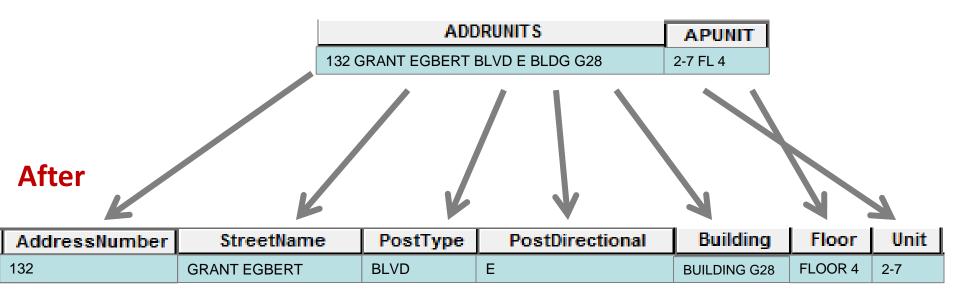




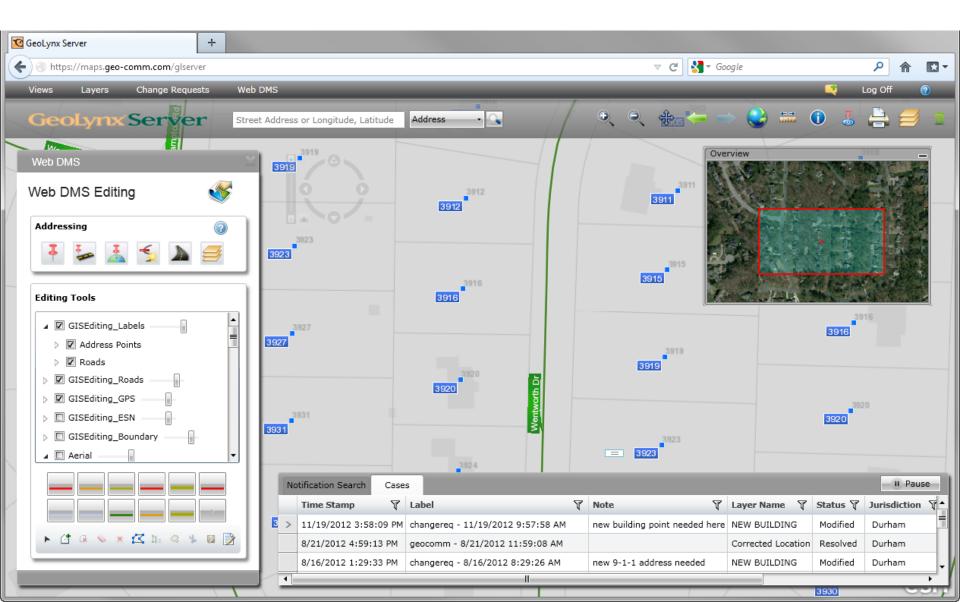


#### **Attribute Format**

#### **Before**

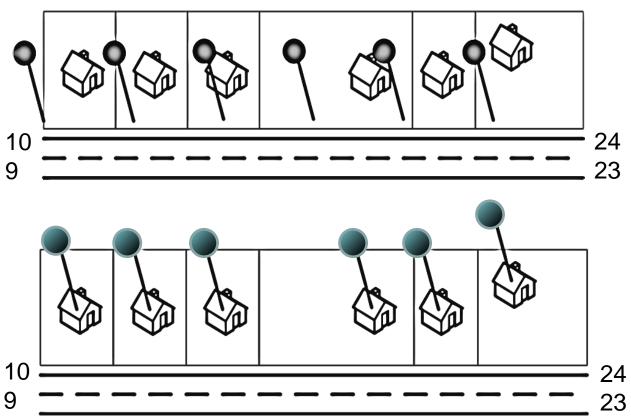


#### **Address Point Maintenance**



# **Geocoding Basics**

Address matching vs. interpolation

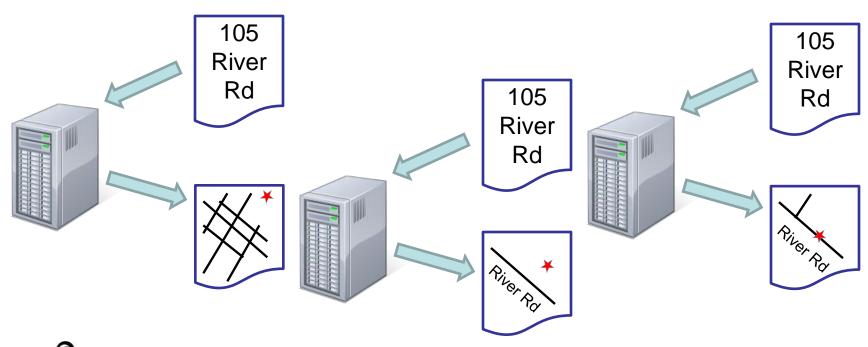




#### **Past Geocoding**

#### Identical input addresses yield different results!

State & local agencies currently use their own data for geocoding, yielding different results



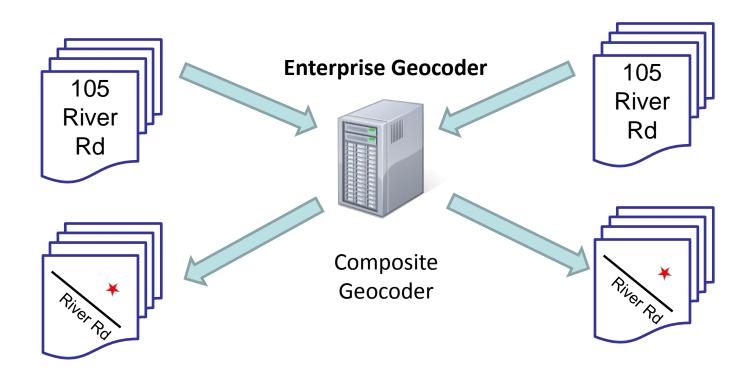




#### **Present Geocoding**

#### Identical input addresses yield identical results

http://gisservices.dhses.ny.gov/arcgis/services







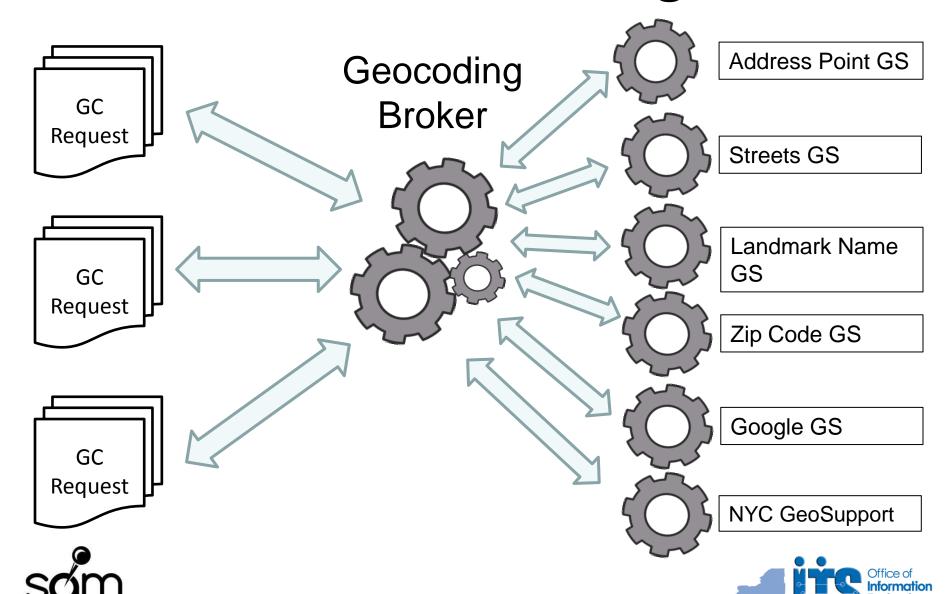
#### **Present Geocoding**

- Cascading 2 Composite Locators
  - SAM Address Points
  - NYS Address Points
  - Street Centerlines
  - Street Names
  - Zip Codes
- Duplicate data removed from lower tier locators
- Currently searches through all locators even if you get an address point match





# **Future Geocoding**



# **Geocoding Broker**

- Broker has intelligence to send addresses to the right service
- If it gets a hit it stops
- If it doesn't match to Address Point, request is logged for follow up
- By using the SAM Address Points and streets every day, they are improved for Emergency Response





# QUESTIONS?



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