

BOROUGH OF LANSDALE

street sign inventory

FIELD DATA COLLECTION

Aaron Brouse

Matt Gisondi

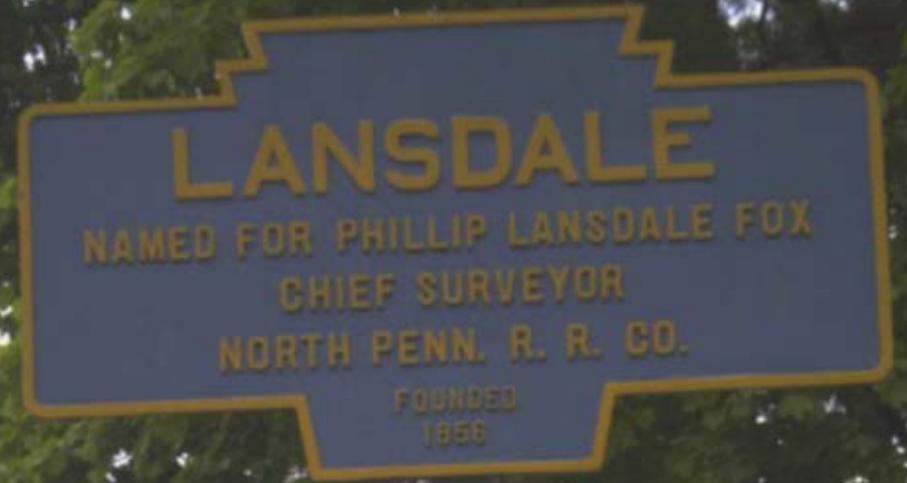
Nick Wade

DATA INTERPRETATION

Matt Gisondi

PROJECT COORDINATOR

Justin Smith



LANSDALE
LIFE IN MOTION

Street Sign Inventory

Public Traffic signs are monitored by the U.S. Department of Transportation's Federal Highway Administration. The standards are set in the "Manual on Uniform Traffic Control Devices" (MUTCD).

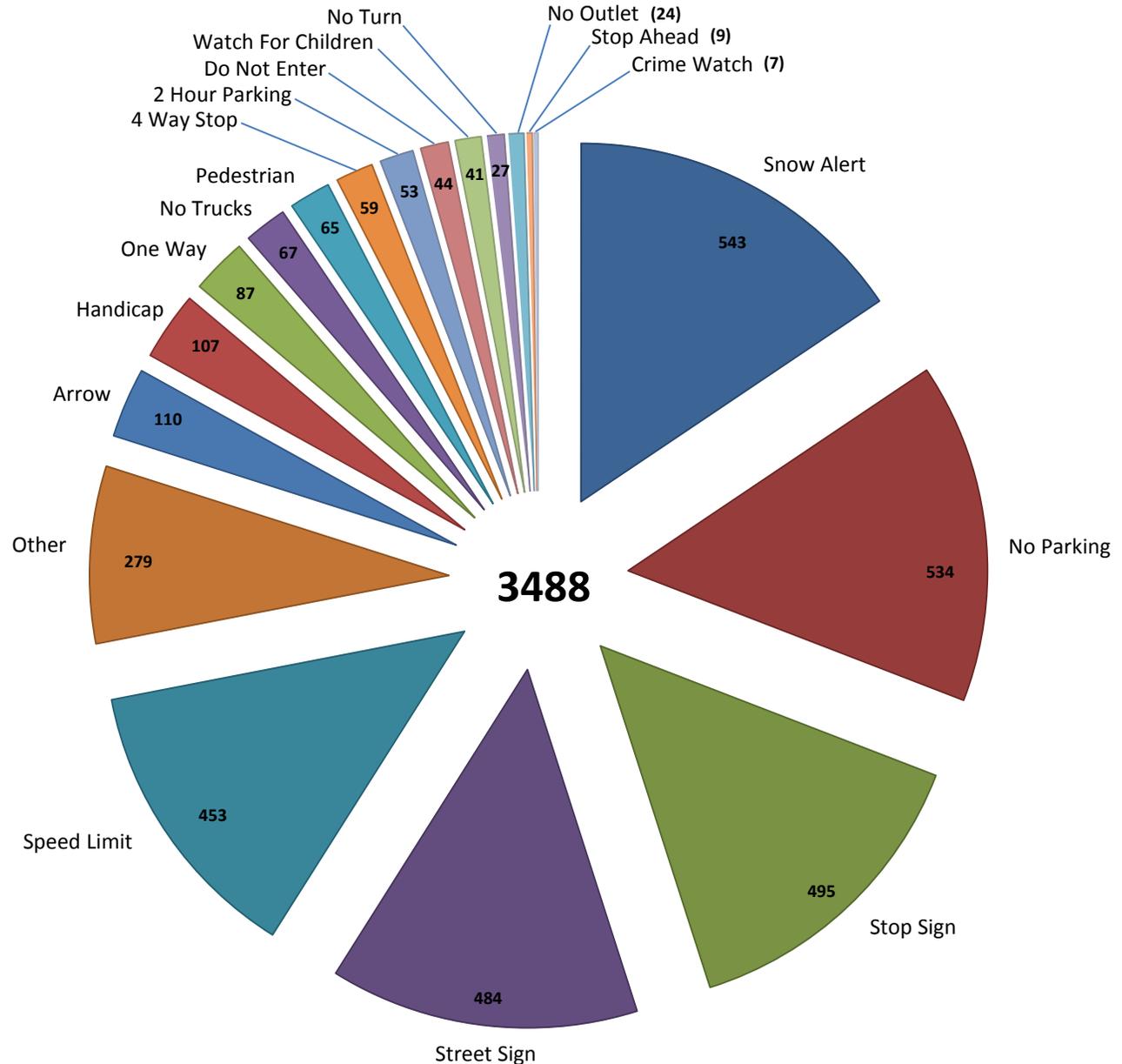
This study is an evaluation of several thousand Borough maintained signs and the Requirements regarding the followings MUTCD standards.

- Retro reflectivity rating of signs
- Location and placement of signs, 7 feet off of ground, Sign post should be 2 feet off the face of the curb
- Specific size requirements, 30"x30" stop signs, 9" street signs with 6" letters.

Every sign in the Borough was located, documented, photographed, and entered into our geographic information system.

Total Number of Signs By Type

Snow Alert - 543
 No Parking - 534
 Stop Sign - 495
 Street Sign - 484
 Speed Limit - 453
 Other* - 279
 Arrow - 110
 Handicap - 107
 One Way - 87
 No Trucks - 67
 Pedestrian - 65
 4 Way Stop - 59
 2 Hour Parking - 53
 Do Not Enter - 44
 Watch For Children - 41
 No Turn - 27
 No Outlet - 24
 Stop Ahead - 9
 Crime Watch - 7



*Other includes hospital signs, deaf child area, yield, left lane must turn left, cross traffic does not stop, do not pass, school zone, dip, railroad crossing, do not stop on tracks, welcome to Lansdale, stop here on red, share the road, etc.



Rating System: Reflectivity

To ensure the safety of motorists and pedestrians in Lansdale, traffic instructions need to be visible day and night. This reflectivity requirement allows motorists and emergency responders to quickly read and respond to the sign's instructions while driving at an appropriate speed.



(Excellent)

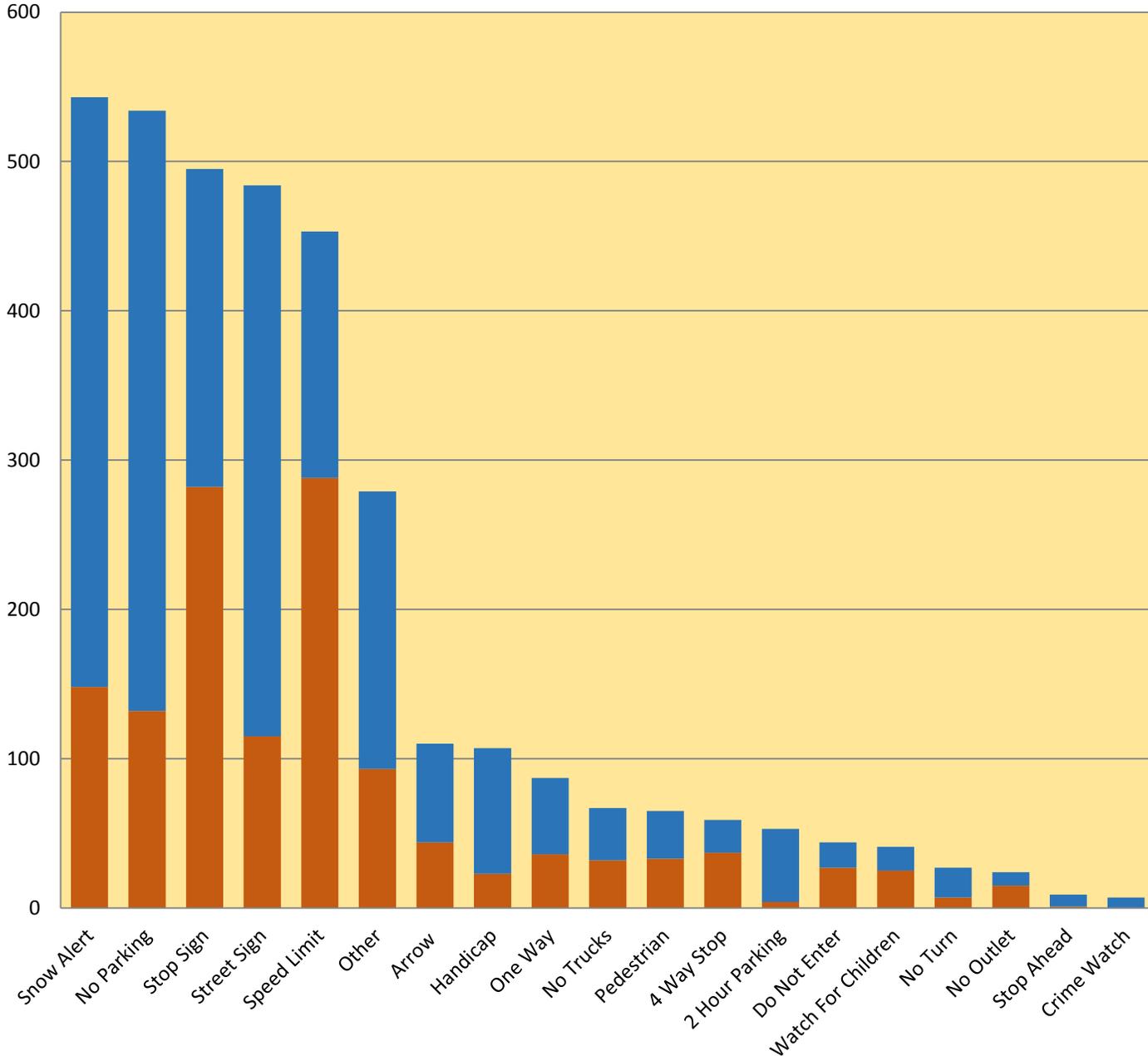


(Fair)



(Poor)

Total With Excellent Reflectivity



Percentage of signs with Excellent reflectivity.

- Snow Alert – 27%
- No Parking – 25%
- Stop Sign – 57%
- Street Sign – 24%
- Speed Limit – 64%
- Other – 33%
- Arrow – 40%
- Handicap – 21%
- One Way – 41%
- No Trucks – 48%
- Pedestrian – 51%
- 4 Way Stop – 63%
- 2 Hour Parking – 8%
- Do Not Enter – 61%
- Watch For Children – 61%
- No Turn – 26%
- No Outlet – 63%
- Stop Ahead – 11%
- Crime Watch – 0%

■ Remaining Signs
■ Excellent Reflectivity

Rating System: Height Requirement (84" or 7')



(meets standard)



(too close to ground)

Rating System: Placement Requirement (24" off curb)

The placement requirement prevents motorists from sideswiping the signs when parking or driving pass.

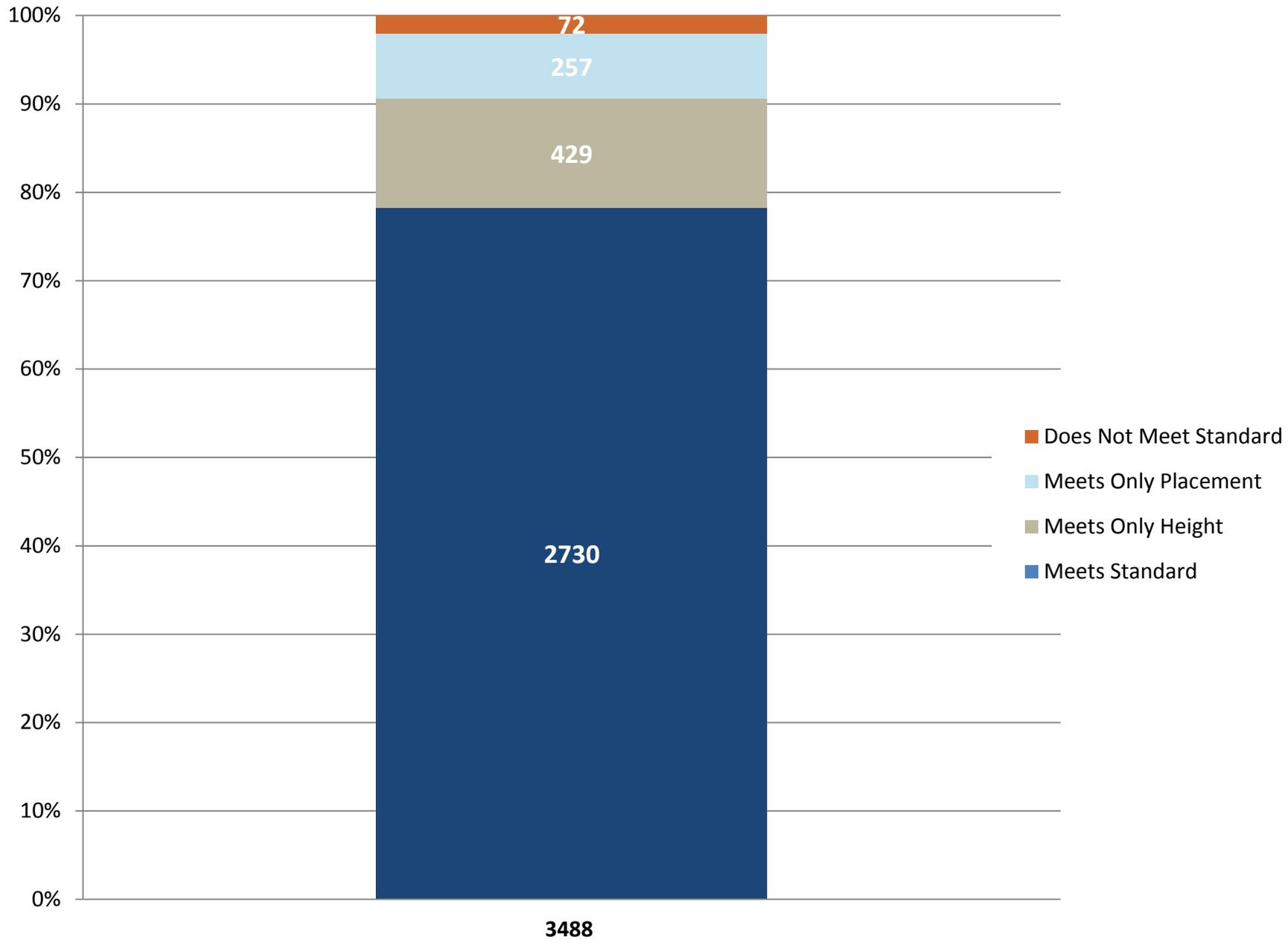


(meets standard)



(too close to curb)

Total Meeting Location Standards



MUTCD requires street name signs to have 6 inch letters on a 9 inch sign to increase Legibility.



Specific Resizing Requirements



(6")

41 Street Signs

(Sign too small)

OUT OF



(9")

484 Street Signs



(24"x24")

75 Stop Signs

(Sign too small)

OUT OF



(30"x30")

495 Stop Signs

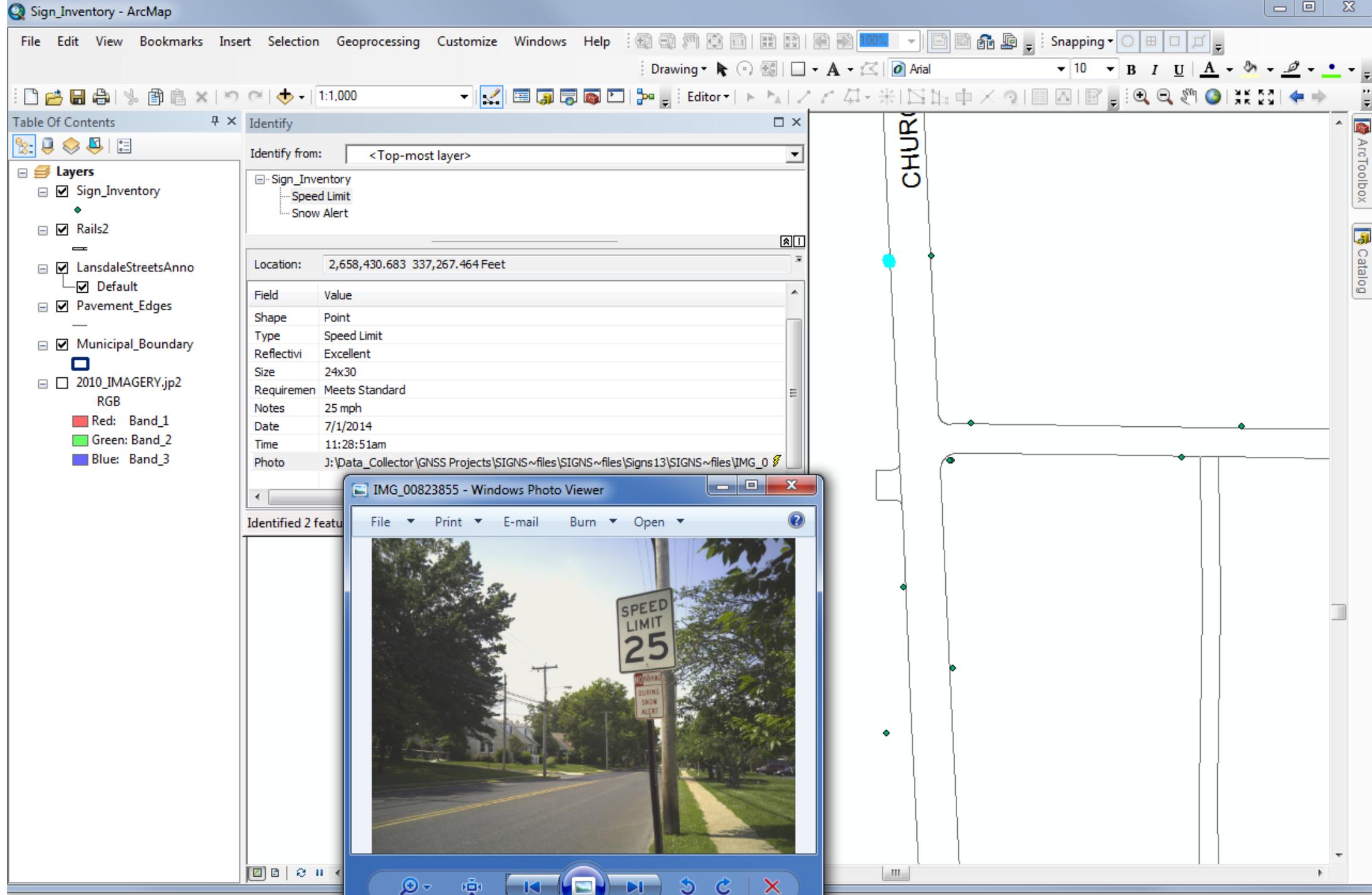
Variations of No Parking Signs

No Parking signs were grouped into two categories. One group was the timed parking signs such as 2 hour, and 15 minute parking. The others were grouped simply as “No Parking”.



54 “2 Hour Parking”
532 “No Parking” Total

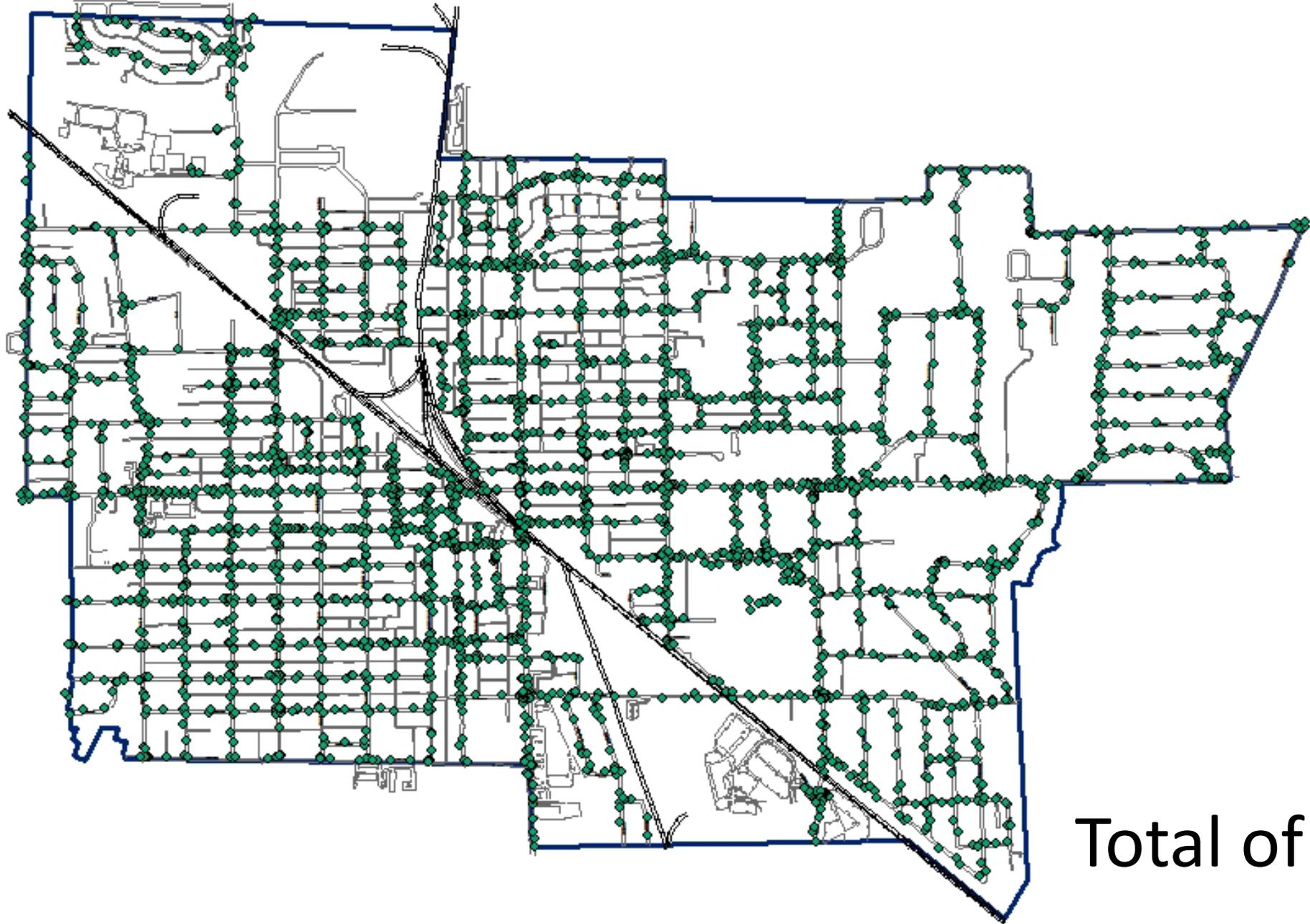
Example of how the data was processed and is viewed in the GIS system.



Map showing only the "Snow Emergency" Signs



Map of All Signs Within Lansdale Borough



Total of 3488