

Office of Neighborhood Services

2017 Mobile Speed Feedback Report

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Executive Summary

This report includes speed feedback data from mobile speed signs deployed during 2017. The report and data provided includes:

- Location information and map
- Length of time sign was in location
- Number of vehicles tracked by speed sign while in location
- Percentage and number of vehicles traveling over posted speed limit
- Average speed of traffic that were tracked by the mobile speed sign

Overview of 2017 Mobile Speed Feedback Program:

The mobile speed sign program provides six mobile speed sign trailers to be placed in neighborhoods for a two week period. An effort is made to evenly distribute the speed signs across all neighborhoods. The locations were based on requests from neighborhood councils.

In 2017, several units were vandalized and several other sign have had continuous issues with SD data errors resulting in no or partial data collection. City staff is currently working on solutions to prevent future vandalism and replace older units. Two new units have been purchased to replace older units for the 2018 program year.

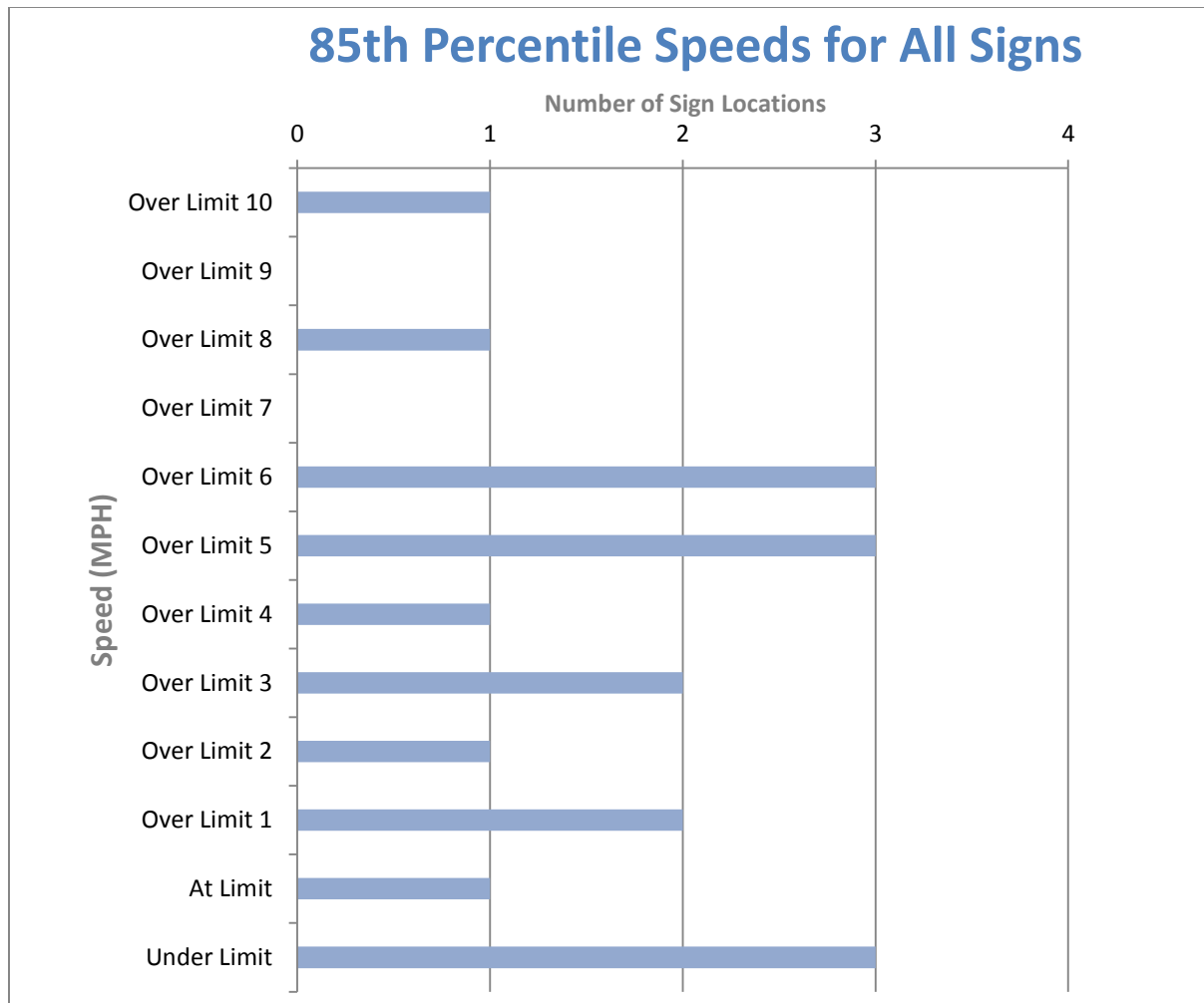
Data Overview

It is important to remember that the data in this report is not 100% accurate. The mobile speed feedback signs are solar powered and depending on time of year and sign placement data collection may be off.

Recommendations for Mobile Speed Signs:

It is recommended that future mobile speed sign use for neighborhoods:

- Do a wider call for input for locations; use Social Media outlets, NextDoor.com and neighborhood council websites and blogs.
- Request sign placement in safe locations where there is less likelihood of vandalism.



*The 85th percentile speed is the speed at or below which 85 percent of the motorists drive on a given road unaffected by slower traffic or poor weather. This speed indicated the speed that most motorists on the road consider safe and reasonable under ideal conditions. It is typically used as a guideline for the appropriate speed limit for that road.

The mobile speed sign was placed at the intersection of Napa and Mission capturing northbound traffic. The posted speed limit is 30 MPH. There were approximately 38,409 vehicles tracked during the data collection process. The sign was placed from April 17, 2017 to May 1, 2017.

Minnehaha Neighborhood: 3420 E Euclid

Neighborhood Services 2/15/18

Minnehaha Neighborhood: Freya & Garnet/Glass

The mobile speed sign was placed on Freya between Glass and Garnet on the west side of the street capturing southbound traffic. The posted speed limit is 30 MPH. There were approximately 62,345 vehicles tracked during the data collection process. The sign was placed from May 1, 2017 to May 15, 2017.

Pace range of 28 MPH to 37 MPH. Percentage in Pace Range: 75.12%



Speed Statistics	
Posted	30
Average Speed	32.38
85 th Percentile	37
# of Vehicles Tracked	62,345
# Over limit	43,783
% over the limit	70.22%
% of speeders 30+	66.5%
% of speeders 40+	3.38%
% of speeders 50+	.33%

Minnehaha Neighborhood: Fredrick and Havana

The mobile speed sign was placed on Fredrick and Havana capturing west bound traffic. The posted speed limit is 30 MPH. There were approximately 52,819 vehicles tracked during the data collection process. The sign was placed from August 7, 2017 to August 21, 2017.

Pace range of 31 MPH to 40 MPH. Percentage in Pace Range: 78.07%



Speed Statistics	
Posted	30
Average Speed	34.14
85 th Percentile	39
# of Vehicles Tracked	52,819
# Over limit	44,337
% over the limit	83.94%
% of speeders 30+	78.07%
% of speeders 40+	5.75%
% of speeders 50+	.11%

Chief Garry Park Neighborhood: Greene St. between Mission and Ermina

The mobile speed sign was placed on Greene Ave. between Mission and Ermina capturing northbound traffic. The posted speed limit is 35 MPH. There were approximately 225,828 vehicles tracked during the data collection process. The sign was placed from June 12, 2017 to June 26th, 2017.

Pace range of 32 MPH to 41 MPH. Percentage in Pace Range: 70.14%



Speed Statistics	
Posted	35
Average Speed	34.71
85 th Percentile	40
# of Vehicles Tracked	225,828
% of speeders 35+	52.93%
% of speeders 45+	1.89%
% of speeders 55+	.29%

East Central Neighborhood: 5th Ave and Haven

The mobile speed sign was placed on the 3000 block of east 5th Ave between Haven and South Fiske St capturing traffic heading westbound. The posted speed limit is 25 MPH. There were approximately 39,870 vehicles tracked during the data collection process. The sign was placed from June 12, 2017 to June 26th, 2017.

Pace range of 22 MPH to 31 MPH. Percentage in Pace Range: 73.87%



Speed Statistics	
Posted	25
Average Speed	25.76
85 th Percentile	30
# of Vehicles Tracked	39,870
# Over limit	21,734
% over the limit	54.51%
% of speeders 25+	52.93%
% of speeders 35+	1.69%
% of speeders 45+	.24%

Logan Neighborhood: Hamilton St. by Logan Elementary

The mobile speed sign was placed on Hamilton St. by Logan Elementary capturing traffic heading northbound. The posted speed limit is 30 MPH. There were approximately 148,248 vehicles tracked during the data collection process. The sign was placed from September 4, 2017 to September 18, 2017.

Pace range of 29 MPH to 38 MPH. Percentage in Pace Range: 74.30%



Speed Statistics	
Posted	30
Average Speed	32.44
85 th Percentile	37
# of Vehicles Tracked	148,248
% over the limit	72.49%
% of speeders 30+	68.69%
% of speeders 40+	3.62%
% of speeders 50+	.17%

District Two:

Grandview Thorpe Neighborhood: W. 16th Ave & S. Milton St.

The mobile speed sign was placed close to the intersection of W. 16th Ave and S. Milton St. capturing traffic heading southwest. The posted speed limit is 25 MPH. There were approximately 8,757 vehicles tracked during the data collection process. The sign was placed from April 17, 2017 to May 1, 2017.

Pace range of 30 MPH to 39 MPH. Percentage in Pace Range: 58.26%



Speed Statistics	
Posted	25
Average Speed	35.11
85 th Percentile	41
# of Vehicles Tracked	8,757
# Over limit	8,266
% over the limit	94.39%
% of speeders 25+	47.41%
% of speeders 35+	42.16%
% of speeders 45+	4.81%

Lincoln Heights Neighborhood: 29th Ave between Pittsburg & Martin

The mobile speed sign was placed close to the intersection of 29th Ave. and Martin St. capturing traffic heading eastbound. The posted speed limit is 30 MPH. There were approximately 106,367 vehicles tracked during the data collection process. The sign was placed from May 1, 2017 to May 15, 2017.

Pace range of 28 MPH to 37 MPH. Percentage in Pace Range: 76.22%



Speed Statistics	
Posted	30
Average Speed	32.22
85 th Percentile	37
# of Vehicles Tracked	106,367
# Over limit	73,200
% over the limit	68.81%
% of speeders 30+	65.38%
% of speeders 40+	3.11%
% of speeders 50+	.32%

Rockwood Neighborhood: Sherman St. & Rockwood Blvd.

The mobile speed sign was placed close to the intersection of Sherman and Rockwood Blvd. capturing traffic heading eastbound. The posted speed limit is 25 MPH. There were approximately 33,614 vehicles tracked during the data collection process. The sign was placed from May 1, 2017 to May 15, 2017.

Pace range of 25 MPH to 34 MPH. Percentage in Pace Range: 77.11%



Speed Statistics	
Posted	25
Average Speed	29.07
85 th Percentile	33
# of Vehicles Tracked	33,614
# Over limit	27,574
% over the limit	82.03%
% of speeders 25+	75.38%
% of speeders 35+	6.3%
% of speeders 45+	.34%

Rockwood Neighborhood: Ivory St. & Rockwood Blvd.

The mobile speed sign was placed close to the intersection of Ivory St. and Rockwood Blvd. capturing traffic heading eastbound. The posted speed limit is 25 MPH. There were approximately 29,282 vehicles tracked during the data collection process. The sign was placed from May 15, 2017 to May 29, 2017.

Pace range of 23 MPH to 32 MPH. Percentage in Pace Range: 77.37%



Speed Statistics	
Posted	25
Average Speed	27.77
85 th Percentile	32
# of Vehicles Tracked	29,282
# Over limit	21,318
% over the limit	72.8%
% of speeders 25+	68.99%
% of speeders 35+	3.53%
% of speeders 45+	.28%

Rockwood Neighborhood: 1919 S. Syringa

The mobile speed sign was placed close to 1919 S. Syringa Rd. The posted speed limit is 25 MPH. There were approximately 5,245 vehicles tracked during the data collection process. The sign was placed from May 15, 2017 to May 29, 2017.

Pace range of 18 MPH to 27 MPH. Percentage in Pace Range: 70.4%



Speed Statistics	
Posted	25
Average Speed	21.72
85 th Percentile	26
# of Vehicles Tracked	5,245
# Over limit	1086
% over the limit	20.7%
% of speeders 25+	20.43%
% of speeders 35+	.19%
% of speeders 45+	.07%

Peaceful Valley Neighborhood: Cedar St. & Main Ave.

The mobile speed sign was placed close to the intersection of Cedar St. and Main Ave. capturing traffic westbound into the neighborhood. The posted speed limit is 25 MPH. There were approximately 21,567 vehicles tracked during the data collection process. The sign was placed from May 29, 2017 to June 12, 2017. The high number of vehicles may be caused by the downtown construction that took place the summer of 2017. The data for this location may be higher than normal due to downtown construction.

Pace range of 20 MPH to 29 MPH. Percentage in Pace Range: 64.44%



Speed Statistics	
Posted	25
Average Speed	23.69
85 th Percentile	29
# of Vehicles Tracked	21,567
# Over limit	8,582
% over the limit	39.79%
% of speeders 25+	38.66%
% of speeders 35+	.95
% of speeders 45+	.17%

Cliff Cannon Neighborhood: Walnut St. & 9th Ave.

The mobile speed sign was placed close to the intersection Walnut St. and 9th Ave. capturing traffic heading northbound on Walnut St. The posted speed limit is 30 MPH. There were approximately 81,759 vehicles tracked during the data collection process. The sign was placed from June 12, 2017 to June 26, 2017.

Pace range of 25 MPH to 34 MPH. Percentage in Pace Range: 76.93%



Speed Statistics	
Posted	30
Average Speed	28.54
85 th Percentile	33
# of Vehicles Tracked	81,759
# Over limit	30,470
% over the limit	37.26%
% of speeders 30+	36.96%
% of speeders 40+	.28%
% of speeders 50+	.02%

Rockwood Neighborhood: Rockwood Blvd between Perry St. & S. Helena Ct.

The mobile speed sign was placed on Rockwood Blvd. between Perry St and South Helena Ct. capturing traffic heading eastbound. The posted speed limit is 25 MPH. There were approximately 21,587 vehicles tracked during the data collection process. The sign was placed from June 26, 2017 to July 10, 2017.

Pace range of 23 MPH to 32 MPH. Percentage in Pace Range: 75.96%



Speed Statistics	
Posted	25
Average Speed	27.54
85 th Percentile	32
# of Vehicles Tracked	21,587
# Over limit	15,298
% over the limit	70.86%
% of speeders 25+	66.47%
% of speeders 35+	4.14%
% of speeders 45+	.25%

Grandview Thorpe Neighborhood: D St between 19th Ave & 20th Ave.

The mobile speed sign was placed on D St between 19th Ave and 20th Ave. capturing traffic heading northbound downhill. The posted speed limit is 25 MPH. There were approximately 5,156 vehicles tracked during the data collection process. The sign was placed from July 10, 2017 to July 24, 2017.

Pace range of 19 MPH to 28 MPH. Percentage in Pace Range: 77.05%



Speed Statistics	
Posted	25
Average Speed	23.23
85 th Percentile	37
# of Vehicles Tracked	5,156
# Over limit	1,473
% over the limit	28.56%
% of speeders 25+	28.08%
% of speeders 35+	.38%
% of speeders 45+	.09%

District Three:

North Indian Trail: Shawnee Ave between Fotheringham and Moore St. (Westbound)

The mobile speed sign was placed on Shawnee Ave. between Fotheringham and Moore St. capturing traffic heading westbound. The posted speed limit is 25 MPH. There were approximately 5,640 vehicles tracked during the data collection process. The sign was placed from April 17, 2017 to May 1, 2017.

Pace range of 17 MPH to 26 MPH. Percentage in Pace Range: 63.66%



Speed Statistics	
Posted	25
Average Speed	24
85 th Percentile	28
# of Vehicles Tracked	5,640
% of speeders 25+	28.66%
% of speeders 35+	.92%
% of speeders 45+	.11%

North Indian Trail: Shawnee Ave between Fotheringham and Moore St. (Eastbound)

The mobile speed sign was placed on Shawnee Ave. between Fotheringham and Moore St. capturing traffic heading eastbound. The posted speed limit is 25 MPH. There were approximately 6,562 vehicles tracked during the data collection process. The sign was placed from May 1, 2017 to May 15, 2017.

Pace range of 20 MPH to 29 MPH. Percentage in Pace Range: 73.36%



Speed Statistics	
Posted	25
Average Speed	24.29
85 th Percentile	29
# of Vehicles Tracked	6,562
# Over limit	2,877
% over the limit	43.84%
% of speeders 25+	43.05%
% of speeders 35+	.62%
% of speeders 45+	.16%

Five Mile Prairie: 7720 N Quamish Dr.

The mobile speed sign was placed by the 7000 block on Quamish Dr. capturing traffic heading northbound. The posted speed limit is 25 MPH. There were approximately 2,772 vehicles tracked during the data collection process. The sign was placed from May 15, 2017 to May 29, 2017.

Pace range of 22 MPH to 31 MPH. Percentage in Pace Range: 69.19%



Speed Statistics	
Posted	25
Average Speed	25.38
85 th Percentile	30
# of Vehicles Tracked	2,772
% of speeders 25+	54.44%
% of speeders 35+	1.13%
% of speeders 45+	.15%

West Hills Neighborhood: N River Ridge Blvd. & N Inland Ct.

The mobile speed sign was placed close to the intersection N. River Ridge Blvd and N. Inland Ct. capturing traffic heading southbound. The posted speed limit is 25 MPH. There were approximately 4,558 vehicles tracked during the data collection process. The sign was placed from May 15, 2017 to May 29, 2017.

Pace range of 20 MPH to 29 MPH. Percentage in Pace Range: 53.04%



Speed Statistics	
Posted	25
Average Speed	20.48
85 th Percentile	26
# of Vehicles Tracked	4,558
# Over limit	955
% over the limit	20.95%
% of speeders 25+	20.44%
% of speeders 35+	.43%
% of speeders 45+	.06%

West Central Neighborhood: Maple St. & Dean Ave.

The mobile speed sign was placed on the at the north end of the Maple St. Bridge close to the intersection of Maple St. and Dean Ave. capturing traffic heading northbound. The posted speed limit is 30 MPH. There were approximately 53,703 vehicles tracked during the data collection process. The sign was placed from May 29, 2017 to June 12, 2017.

Pace range of 26 MPH to 35 MPH. Percentage in Pace Range: 57.51%



Speed Statistics	
Posted	30
Average Speed	31.02
85 th Percentile	38
# of Vehicles Tracked	53,703
# Over limit	27,811
% over the limit	51.78%
% of speeders 30+	43.5%
% of speeders 40+	7.6%
% of speeders 50+	.67%

West Hills Neighborhood: N. River Ridge Blvd. & Inland Ct.

The mobile speed sign was placed on N. River Ridge Blvd. at the intersection of Inland Ct. near the school bus stop capturing traffic heading northbound. The posted speed limit is 25 MPH. There were approximately 4,140 vehicles tracked during the data collection process. The sign was placed from June 12, 2017 to June 26, 2017.



Speed Statistics	
Posted	25
Average Speed	21
Maximum Speed	46
85 th Percentile	26
# of Vehicles Tracked	4,140
# Over limit	1,380

Balboa/South Indian Trail Neighborhood: Woodside and F St.

The mobile speed sign was placed near the intersection of Woodside and F. St. capturing traffic heading eastbound on Woodside. The posted speed limit is 25 MPH. There were approximately 19,608 vehicles tracked during the data collection process. The sign was placed from June 12, 2017 to June 26, 2017.

Pace range of 21 MPH to 30 MPH. Percentage in Pace Range: 70.21%



Speed Statistics	
Posted	25
Average Speed	24.19
85 th Percentile	29
# of Vehicles Tracked	19,608
% of speeders 25+	42.8%
% of speeders 35+	.68%
% of speeders 45+	.17%

Five Mile Prairie Neighborhood: 2711 W Cascade Way

The mobile speed sign was placed near the address of 2711 W Cascade Way capturing traffic heading eastbound. The posted speed limit is 25 MPH. There were approximately 1,635 vehicles tracked during the data collection process. The sign was placed from June 26, 2017 to July 10, 2017.

Pace range of 16 MPH to 25 MPH. Percentage in Pace Range: 77.53%



Speed Statistics	
Posted	25
Average Speed	20.29
85 th Percentile	24
# of Vehicles Tracked	1,632
% of speeders 25+	7.11%
% of speeders 35+	.19%
% of speeders 45+	.12%

West Central Neighborhood: Elm St & Maxwell Ave.

The mobile speed sign was placed near the intersection of Elm and Maxwell capturing traffic heading eastbound. The posted speed limit is 20 MPH. There were approximately 20,812 vehicles tracked during the data collection process. The sign was placed from June 26, 2017 to July 10, 2017. School being out of session during this time has most likely impacted the data collected.



Speed Statistics	
Posted	20
Average Speed	22
Maximum Speed	41
85 th Percentile	29
# of Vehicles Tracked	20,812
# Over limit	14,278

Balboa/South Indian Trail Neighborhood: G St. & Woodside

The mobile speed sign was placed near the intersection of G St. and Woodside capturing traffic heading eastbound. The posted speed limit is 25 MPH. There were approximately 17,197 vehicles tracked during the data collection process. The sign was placed from July 10, 2017 to July 24, 2017. The new traffic circles that have been installed on Woodside may have impacted the data collected.

Pace range of 23 MPH to 32 MPH. Percentage in Pace Range: 77.53%



Speed Statistics	
Posted	25
Average Speed	27.6
85 th Percentile	32
# of Vehicles Tracked	17,197
# Over limit	12,467
% over the limit	72.49%
% of speeders 25+	69.89%
% of speeders 35+	2.44%
% of speeders 45+	.15%

West Central Neighborhood: Maxwell Ave. & Cedar St

The mobile speed sign was placed near the intersection of Maxwell Ave. and Cedar St. capturing traffic heading westbound. The posted speed limit is 30 MPH. There were approximately 34,225 vehicles tracked during the data collection process. The sign was placed from June 26, 2017 to July 10, 2017.



Speed Statistics	
Posted	30
Average Speed	27
Maximum Speed	69
85 th Percentile	33
# of Vehicles Tracked	34,225
# Over limit	12,436

North Hill Neighborhood: Whitehouse St & Queen Ave.

The mobile speed sign was placed near the intersection of Whitehouse St. and Queen Ave. near Franklin Park capturing traffic heading eastbound. The posted speed limit is 20 MPH. There were approximately 30,810 vehicles tracked during the data collection process. The sign was placed from July 24, 2017 to August 7, 2017.

Pace range of 21 MPH to 30 MPH. Percentage in Pace Range: 68.02%



Speed Statistics	
Posted	20
Average Speed	24.99
85 th Percentile	30
# of Vehicles Tracked	30,810
# Over limit	24,799
% over the limit	80.49%
% of speeders 20+	68.02%
% of speeders 30+	11.91%
% of speeders 40+	.54%

Balboa South Indian Trail Neighborhood: W Indian Trail Rd. & Woodside Ave.

The mobile speed sign was placed near the intersection of W. Indian Trail Rd. and Woodside Ave. capturing traffic heading northbound. The posted speed limit is 30 MPH. There were approximately 97,958 vehicles tracked during the data collection process. The sign was placed from August 7, 2017 to August 21, 2017.

Pace range of 29 MPH to 38 MPH. Percentage in Pace Range: 79.89%



Speed Statistics	
Posted	30
Average Speed	33.4
85 th Percentile	37
# of Vehicles Tracked	97,958
# Over limit	77,953
% over the limit	79.57%
% of speeders 30+	75.26%
% of speeders 40+	4%
% of speeders 50+	.3%

Additional Locations:

Speed radar trailers were located at the following additional locations; however speed and volume data was not collected due to issues with the data collection units or sign vandalism.

<i>District</i>	<i>Neighborhood</i>	<i>Location</i>
One (1)	Minnehaha	Upriver Dr. & Havana
One (1)	Chief Garry Park	Cook & Regal
Two (2)	Comstock	37 th & Bernard
Two (2)	Comstock	High Drive & Skyview
Two (2)	Comstock	29 th & Manito Blvd.
Two (2)	Cliff Cannon	14 th & Division
Two (2)	Cliff Cannon	15 th & Cedar
Two (2)	Lincoln Heights	29 th & Pittsburg
Two (2)	Lincoln Heights	23 rd & Ray
Two (2)	Peaceful Valley	Clarke near Bennett
Three (3)	North Hill	Central Ave. & Ash St.
Three (3)	North Hill	Longfellow Ave. & Maple St.
Three (3)	West Hills	N River Ridge Blvd. in Riverrun
Three (3)	North Indian Trail	Fotheringham and Moore on Shawnee Ave
Three (3)	Balboa /SIT	Lindeke & Woodside
Three (3)	Audubon/Downriver	NE Blvd. & F St.
Three (3)	Audubon/Downriver	Alberta & Liberty
Three (3)	Audubon/Downriver	Cochran St. & Liberty Ave