



116th/117th One-Way Couplet Metrics

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The one way couplet has the following key goals and associated metrics:	Bad	Good	Better	Great
1. Reduce 85th Percentual Speeds	Speeds Increase	Speeds reduced by 1-3 MPH	Speeds reduced by 4-5 MPH	Speeds reduced by >5 MPH
2. Reduce Total Vehicle Volumes	Vehicle volumes increase	Reduced vehicle trips by 5%	Reduced vehicle trips up to 10%	Reduced vehicle trips greater than 10%
3. Encourage Non-Motorized Use of the Right-of-Way	Non-motorized use declines	Increased non-motorized use by > 25%	Increased non-motorized use by > 50%	Increased non-motorized use by >100%
4. Reduce Vehicle Queue Lengths at Key Intersections (26th St & 117th traveling north, 20th Street and 116th traveling south).	Lengths increased by 4 or more vehicles	No change	Lengths decrease by 2 vehicles	Lengths decrease by 4 vehicles
5. Improve 117th/116th Sentiment	Negative sentiment increases from initial to final survey	NA	Sentiment improves by 11-20%	Sentiment improves by more than 20%

Successful Outcome: All metrics improved Better or greater during the pilot project. Consider for permanent implementation.
Moderately Successful: All metrics including community sentiment except for one improve. Consider alternatives for permanent solution.
Unsuccessful Outcome: Two or more metrics or community sentiment don't improve. Consider the sidewalk alternative as the preferred outcome.

How we are going to measure:		
Measure	Prior to the Pilot Project	During/After the Pilot Project
Speed	Tubes will be deployed for 7 days to establish baseline speed data	Tubes will remain in place after traffic has adjusted
Vehicle Queues	Monitored at 20th & 117th/116th from 7:00-8:30 AM and 2:30-3:30 PM, for multiple days. Longest queue and duration recorded at each location.	Monitored at 20th & 116th and 117th & 26th (AM only) during same timeframes, for multiple days
Pedestrian Counts	Counts will occur during queue monitoring on 116th & 117th Ave NE and continue 30 minutes afterward to capture neighborhood activity.	Same method as before: counts during queue monitoring + 30 minutes after on 116th & 117th Ave NE.
Sentiment	Survey promoted through two open houses by letters, social media, word of mouth, and the project website before launch.	Survey promoted after the pilot through one open house, social media, word of mouth, letters, and the website.
Vehicle Rerouting	Turning Movement Counts for 24 hours at 6 intersection. Use Urban SDK for baseline neighborhood volume	Turning Movement Counts for 24 hours at 6 intersections. Use Urban SDK for neighborhood volume changes.