



2017

Bicycle & Pedestrian Counts



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Introduction & Overview



Bike Data



Bike Infrastructure

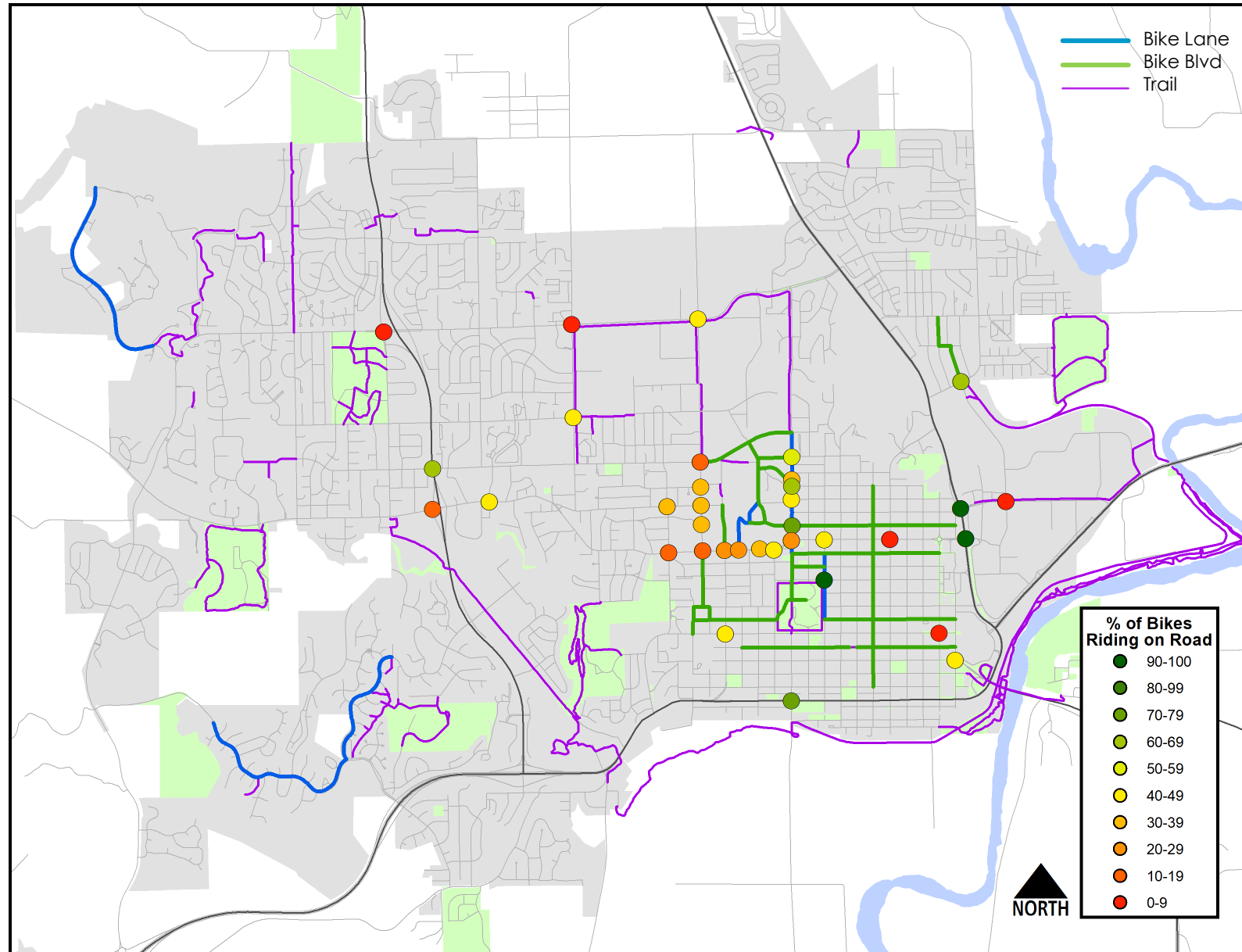




Cycling Infrastructure:

- ▶ The City of Manhattan has installed miles of on-street bike infrastructure over the last 5-6 years
- ▶ The goal is to have cyclists use this infrastructure
- ▶ Research shows that perception of **safety** and **comfort** have a major impact on infrastructure usage
- ▶ The following slides will examine the **relationship** between infrastructure usage, function class, and ADT
- ▶ This information can be used to establish an MHK specific comfort & ridership index for future projects

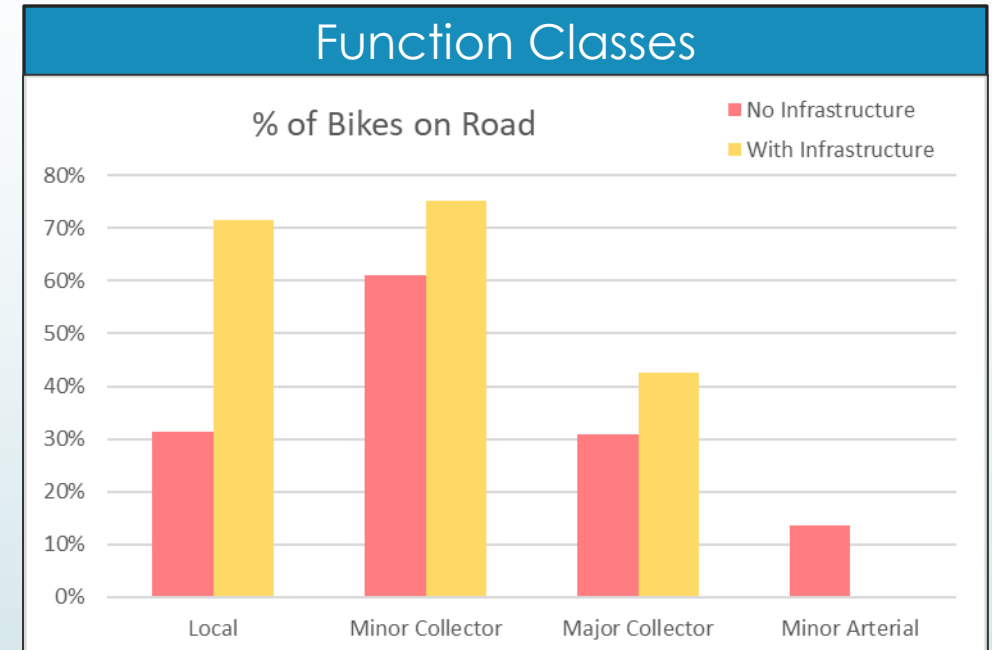
Cycling: Road vs Sidewalk





Impact of Infrastructure

% of Bikes on Road: City-wide Avg	
No Infrastructure	With Infrastructure
29%	57%



Impact of Infrastructure



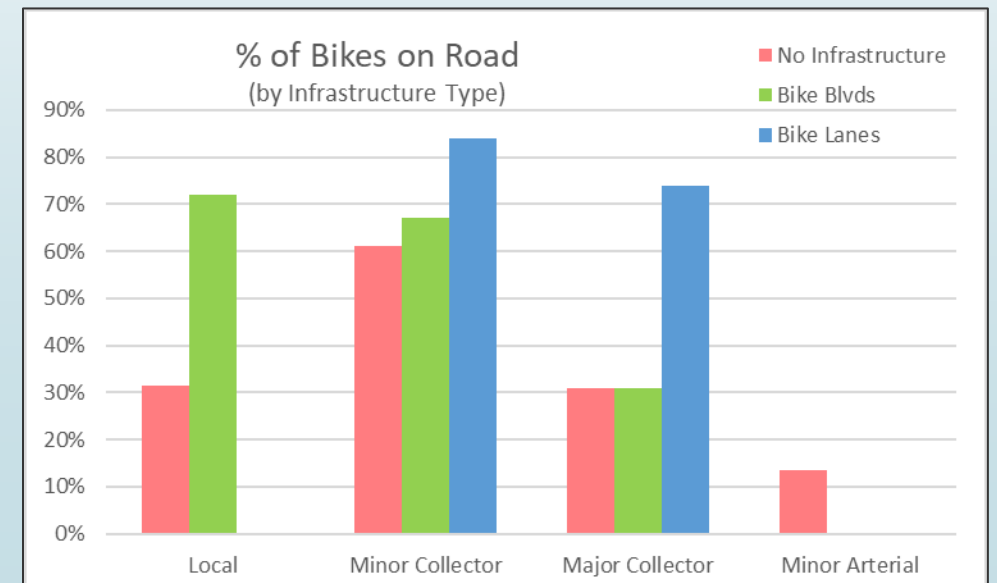
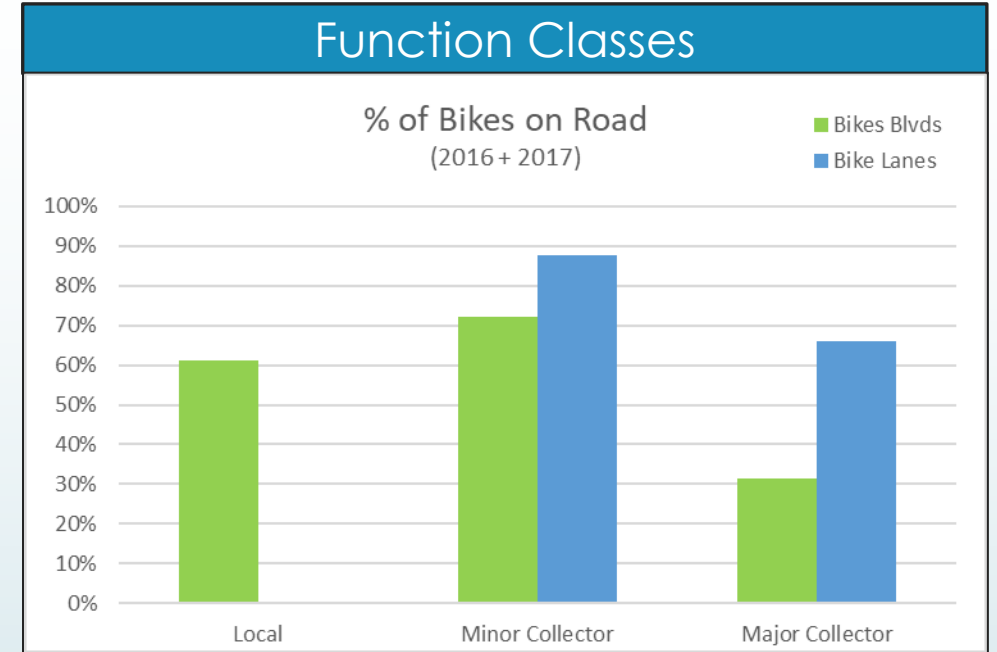
Bike Boulevards

	# on Road	Total Bikes	% on Road
Local	161	263	61%
Minor Collector	353	489	72%
Major Collector	53	169	31%

Bike Lanes

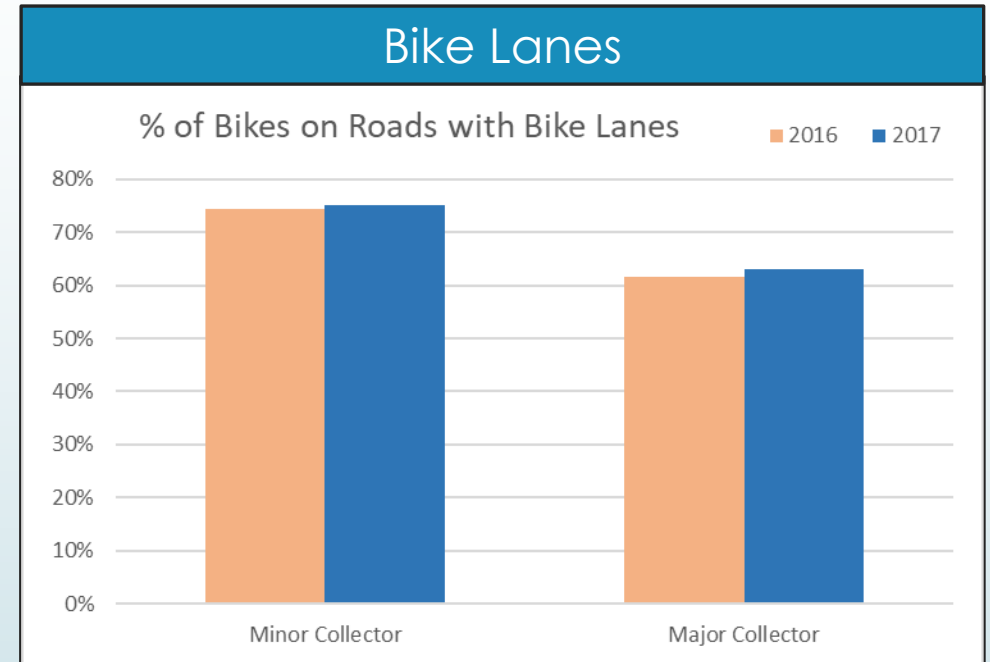
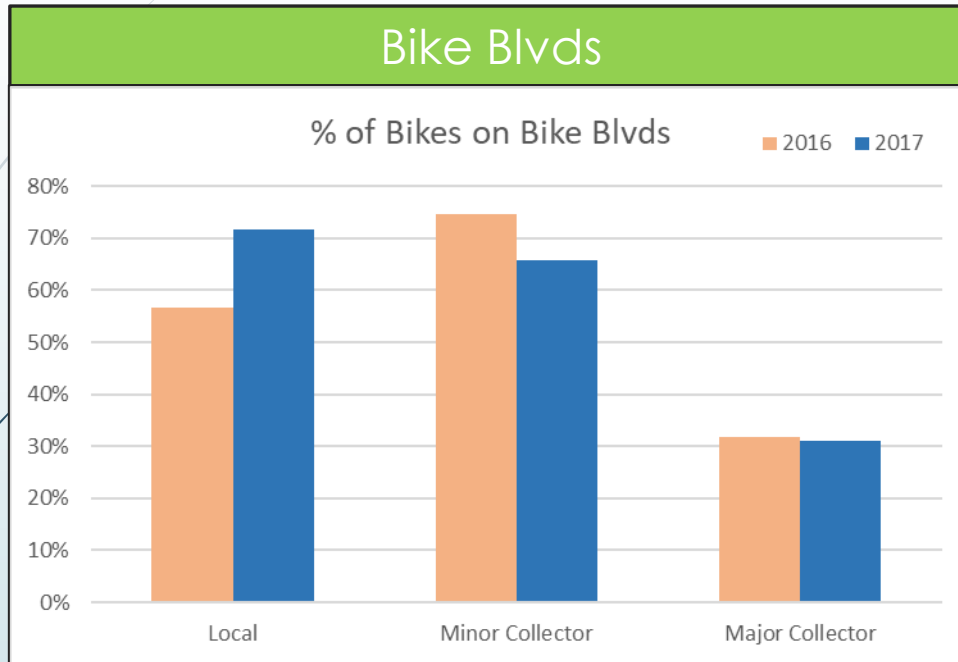
	# on Road	Total Bikes	% on Road
Local	n/a	n/a	n/a
Minor Collector	101	115	88%
Major Collector	201	305	66%

Function Classes





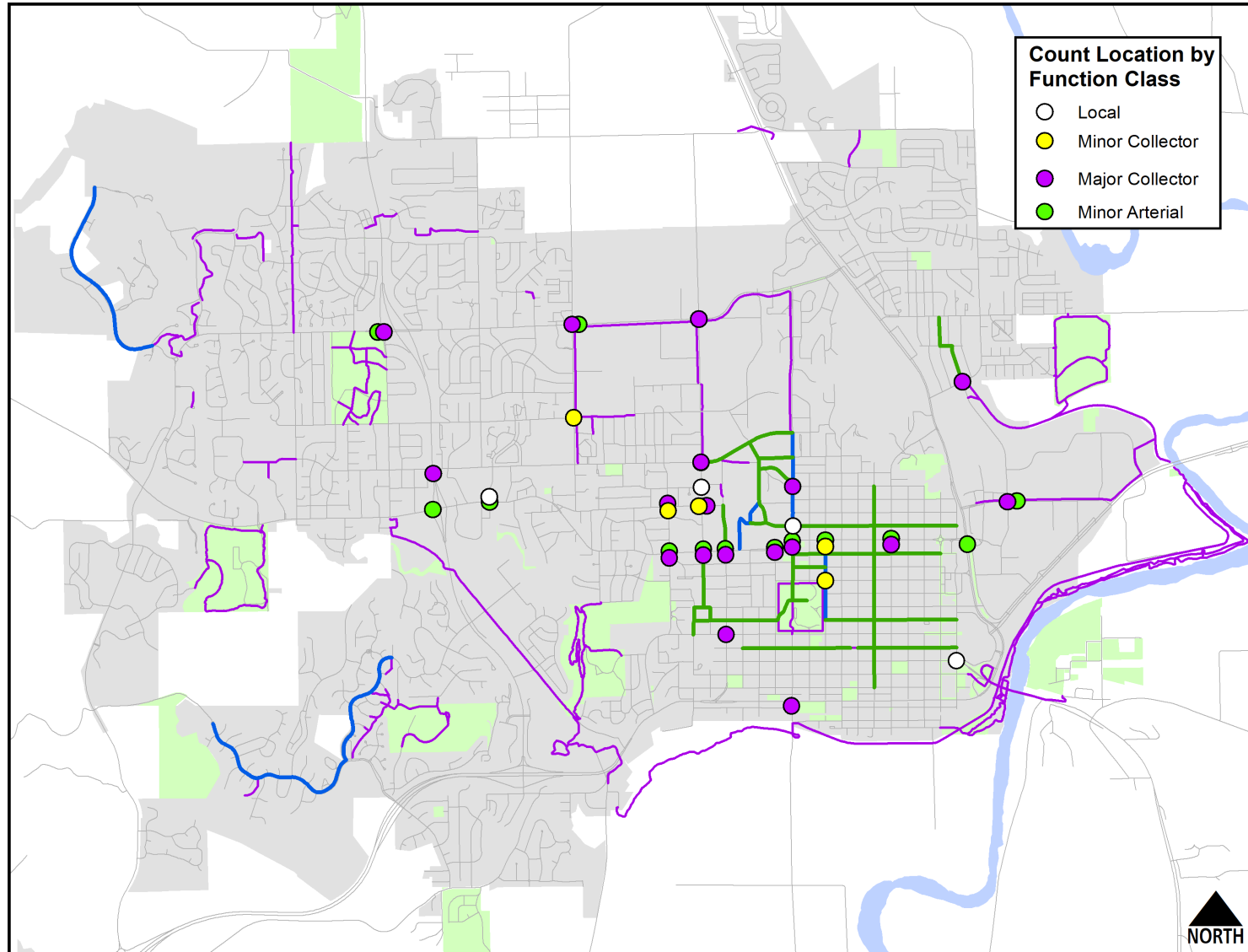
Year-to-Year



Consistent year to year with minimal variance, supports accurate count collection and validates data.



Count Location Details




Function Class	# of Locations
Local	4
Minor Collector	6
Major Collector	24
Minor Arterial	13



Limitations

Map with count locations of specific infrastructure....

Show that while limited in #, this year-to-year counts show consistency and are as accurate as we can get for MHK; better than pulling in outside data, as we are specific location with unique demographics, etc.

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- ▶ Compare where people are most comfortable to how many miles of infrastructure by function class & ADT to see if we're doing a good job
 - ▶ Also look to see where we should go in future for masterplan
 - ▶ For example
 - ▶ locals = blvds
 - ▶ Minor collectors = blvds (below X ADT) & lanes (above X ADT)
 - ▶ Major Collectors = Lanes (below X ADT) & Protected lanes (above X ADT)
 - ▶ Minor Arterials = Multiuse Trails ONLY