

What's Transit Anyways?

Transit 101





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Mission

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Transit Terminology

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What Makes Transit Successful?

4

Competing Values

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Discussion



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A photograph of a middle-aged man with a goatee, smiling and looking out the window of a vehicle, likely a bus. He is wearing a maroon shirt and a dark vest. The background shows a blurred outdoor scene with trees and a fence.

At WTA, our mission is to enhance our community by:

Delivering safe, reliable,
efficient, and friendly service

Offering environmentally
sound transportation choices

Providing leadership in creating
innovative transportation solutions

Partnering with our community to
improve transportation systems

WTA

CONNECTING
PEOPLE TO
OPPORTUNITY



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Fixed Route: buses that operate on a predefined path with designated stops, following a published schedule.



Paratransit: service for people with disabilities who are unable to ride Fixed Route, buses pick up and drop off people within a $\frac{3}{4}$ mile corridor around the Fixed Route line.



Frequency: *how often* transit operates

	Cordata Station A	Bakerview Fred Meyer B	Hoff & Bayon C	Lummi Tribal Center D	Lummi Island Ferry E	Lummi Tribal Center D	Hoff & Bayon C	Bakerview Fred Meyer B	Cordata Station A
	6:05	6:11	6:19	6:26	6:38	6:48	6:54	7:03	7:10
	7:05	7:11	7:19	7:26	7:38	7:48	7:54	8:03	8:10
	8:05	8:11	8:19	8:26	8:38	8:48	8:54	9:03	9:10
	9:05	9:11	9:19	9:26	9:38	9:48	9:54	10:03	10:10
	10:05	10:11	10:19	10:26	10:38	10:48	10:54	11:03	11:10
AM	11:05	11:11	11:19	11:26	11:38	11:48	11:54	12:03	12:10
PM	12:05	12:11	12:19	12:26	12:38	12:48	12:54	1:03	1:10
	1:05	1:11	1:19	1:26	1:38	1:48	1:54	2:03	2:10
	2:05	2:11	2:19	2:26	2:38	2:48	2:54	3:03	3:10
	3:05	3:11	3:19	3:26	3:38	3:48	3:54	4:03	4:10
	4:05	4:11	4:19	4:26	4:38	4:48	4:54	5:03	5:10
	5:05	5:11	5:19	5:26	5:38	5:48	5:54	6:03	6:10
	6:05	6:11	6:19	6:26	6:38	6:48	6:54	7:03	7:10
	7:05	7:11	7:19	7:26	7:38	7:48	7:54	8:03	8:10

Span: *when* transit operates

Revenue Hours (or Revenue Service)

The amount of time a bus is in service

Deadhead

The amount of time a bus is driving to or from the bus yard to its starting or ending location

Service Hours

Revenue hours + deadhead



A **boarding** is counted each time a passenger steps onto a transit vehicle



An **alighting** is counted each time a passenger steps off a transit vehicle



Boardings per Revenue Hour: the number of passengers who board a transit vehicle in one hour



Passenger Miles per Revenue Hour: the distance ridden by passengers in one hour

LEAVE Cordata Station	Walmart	Meadowbrook & Tremont	Cordata Pkwy (Sea Mar)	ARRIVE Cordata Station
①	②	③	④	①
6:50	6:54	6:59	7:03	7:10

Trip: a single departure of a route, often starting or ending at a transit station

ARRIVE
B'ham Station
①
Bus
Continues
as Route

7:20 15 Cordata/WCC

Interlinement: when one route continues as a different route at the bus station

Block #	331 Cordata/WCC						232 Downtown					
	B'ham Station	Alabama & James	Barclay Village	Sunset Square	Bella Fair	Cordata Station	Cordata Station	Bakerview & NW	Birchwood Center	Northwest & Illinois	B'ham Station	
331-3	7:25	7:31	7:36	7:42	7:50	7:55	8:00	8:02	8:07	8:10	8:20	
	8:25	8:31	8:36	8:42	8:50	8:55	9:00	9:02	9:07	9:10	9:20	
	9:25	9:31	9:36	9:42	9:50	9:55	10:00	10:02	10:07	10:10	10:20	
	10:25	10:31	10:36	10:42	10:50	10:55	11:00	11:02	11:07	11:10	11:20	
	11:25	11:31	11:36	11:42	11:50	11:55	12:00	12:02	12:07	12:10	12:20	
	12:25	12:31	12:37	12:44	12:55	13:00	13:10	13:14	13:18	13:21	13:33	
	13:40	13:46	13:52	13:59	14:10	14:15	14:25	14:33	14:36	14:38	14:48	
	14:55	15:01	15:07	15:14	15:25	15:30	15:40	15:44	15:48	15:51	16:03	
	16:10	16:16	16:22	16:29	16:40	16:45	16:55	16:59	17:03	17:06	17:18	
	17:25	17:31	17:37	17:44	17:55	18:00	18:10	18:14	18:18	18:21	18:33	
	18:40	18:46	18:51	18:57	19:05	19:10	19:15	19:17	19:22	19:25	19:35	
	19:40	19:46	19:51	19:57	20:05	20:10	20:15	20:17	20:22	20:25	20:35	
	20:40	20:46	20:51	20:57	21:05	21:10	—	—	—	—	—	

Block: all the routes that a single bus drives in one day



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PEOPLE



PLACES



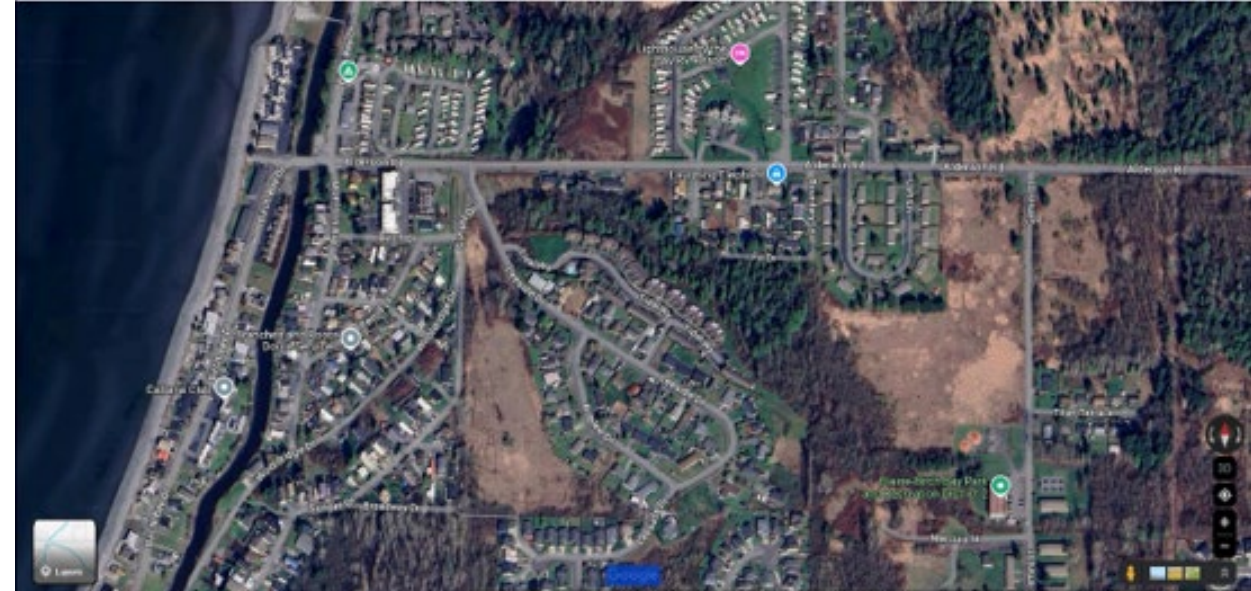
PATHWAYS



People



High Density: 8,760 People Per Square Mile

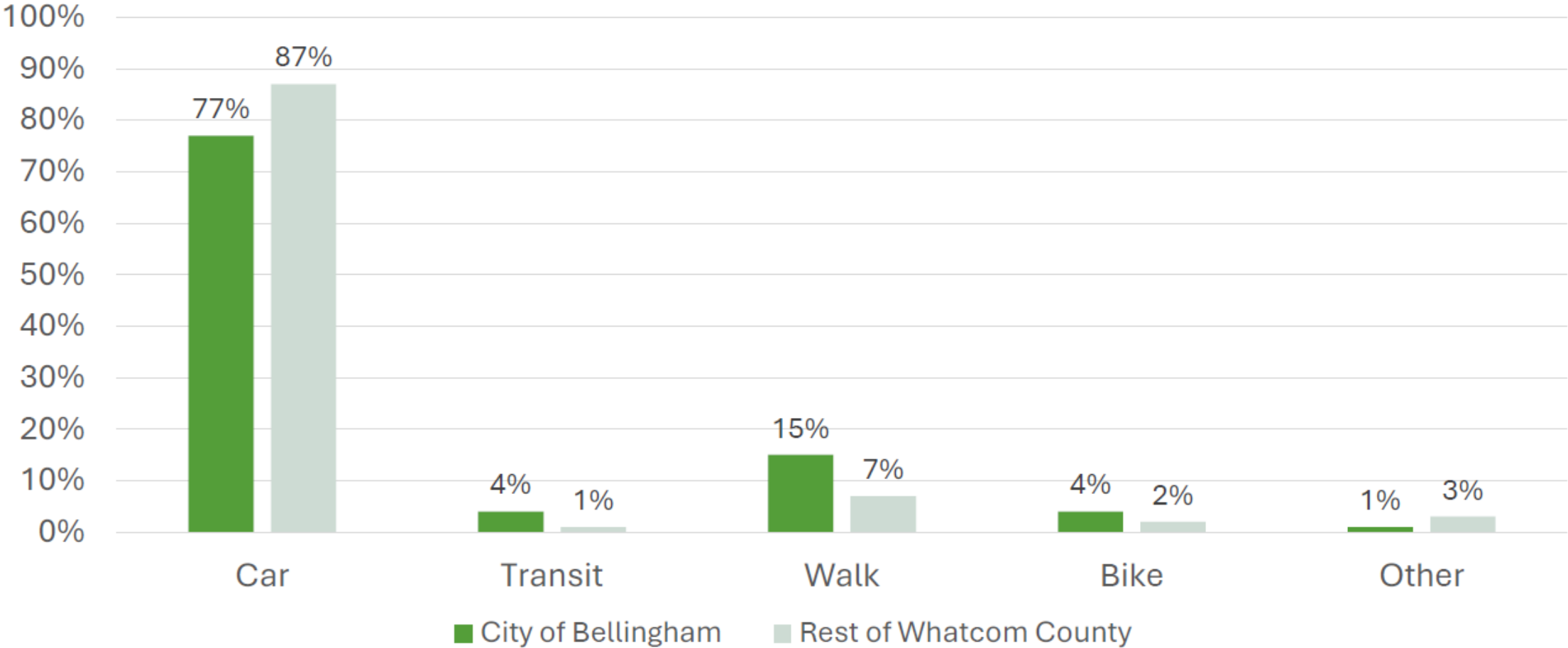


Low Density: 2,140 People Per Square Mile



People

Bellingham and Whatcom County Transportation Mode Split

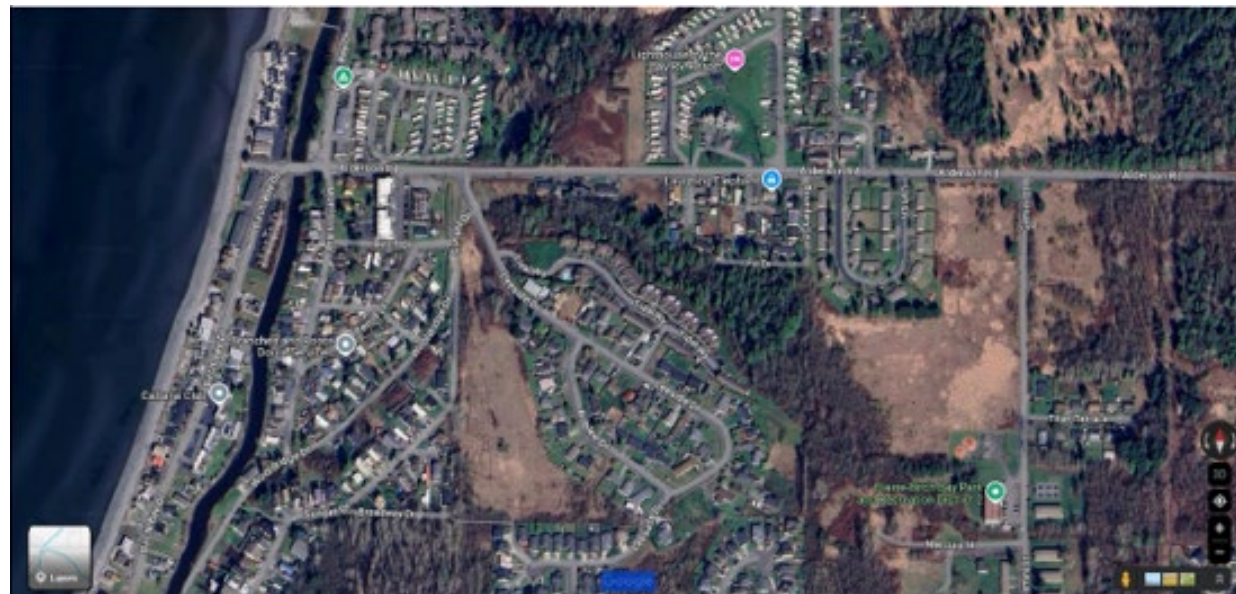




People



High Density: 8,760 People Per Square Mile
350 potential riders



Low Density: 2,140 People Per Square Mile
86 potential riders



People



Places





Places

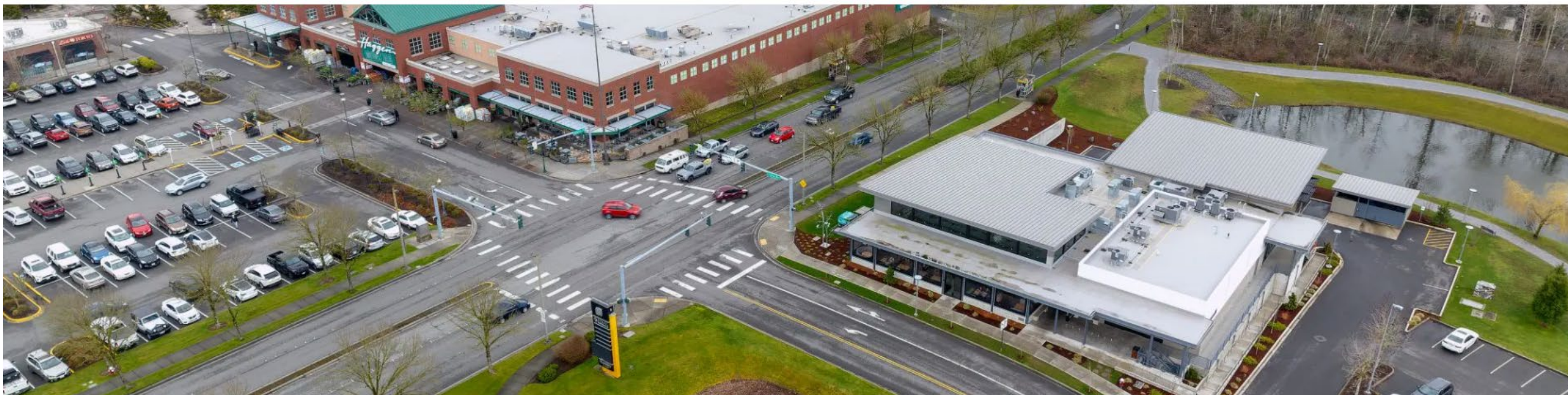




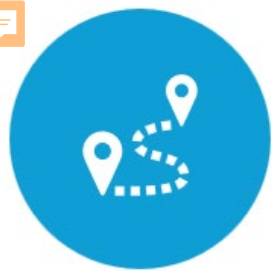
Places



Pathways

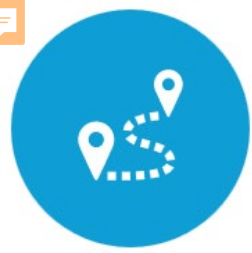


Urban Villages



Pathways

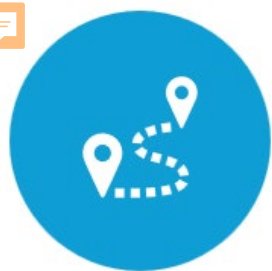




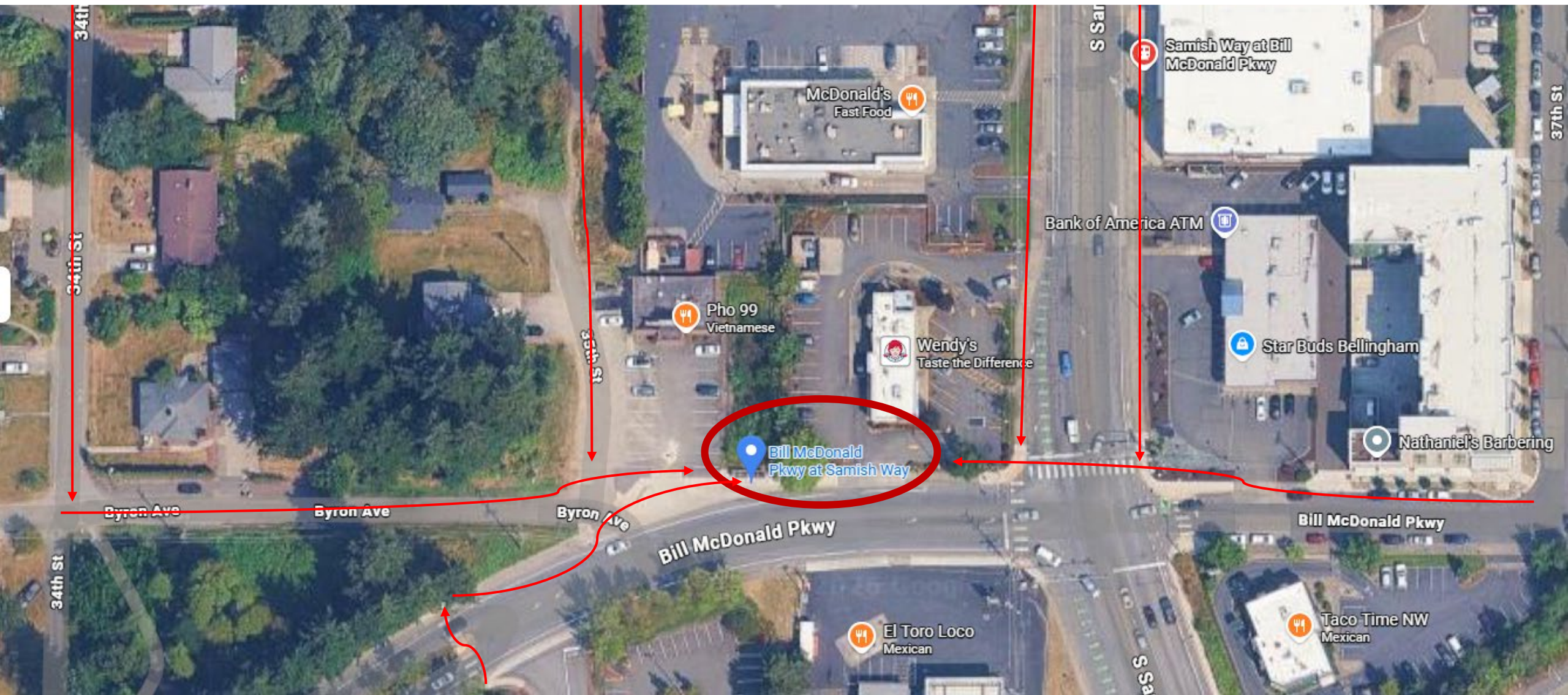
Pathways

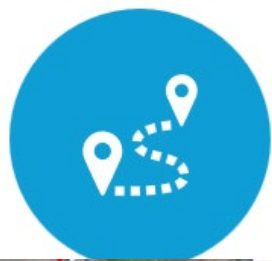


ACCESS TO TRANSIT

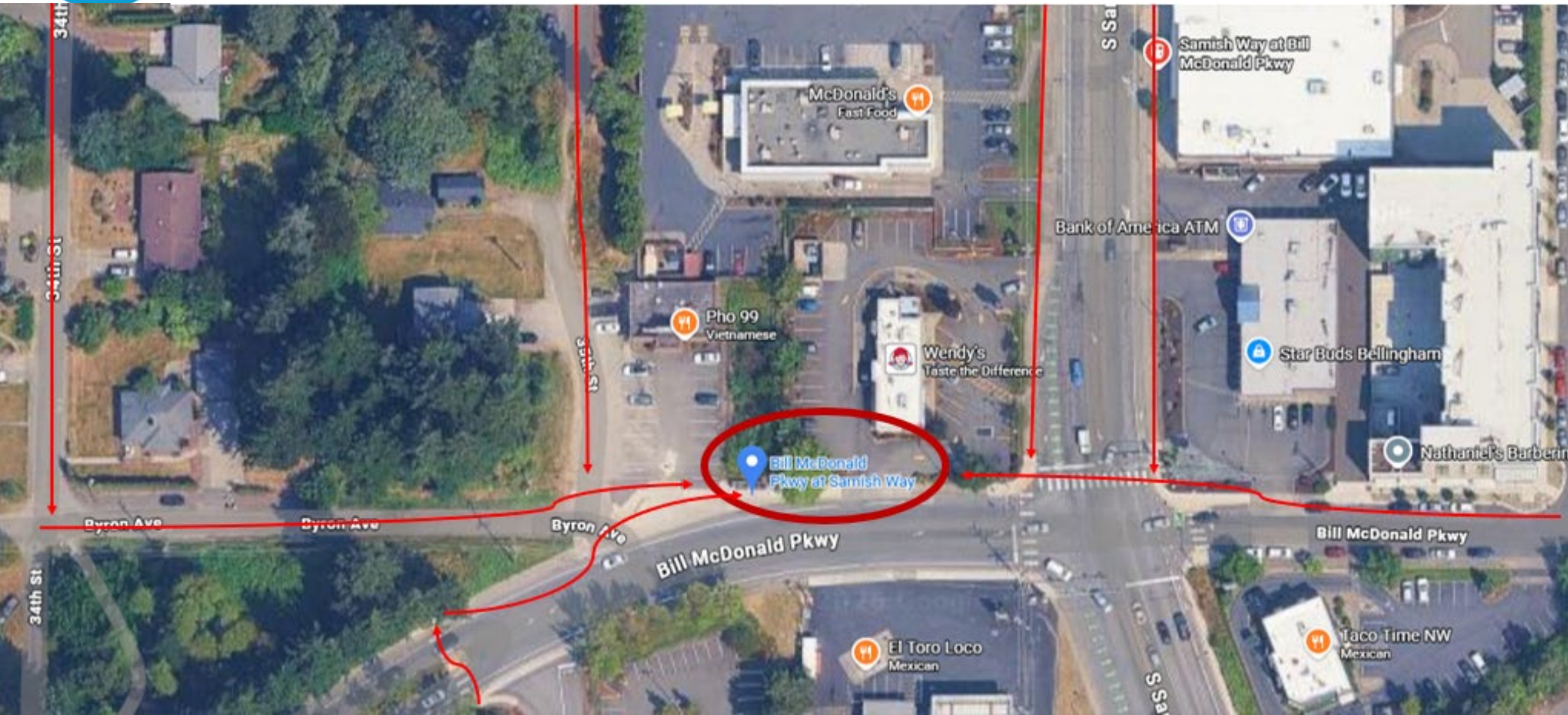


Pathways





Pathways





People



Places



Pathways





People



Places



Pathways



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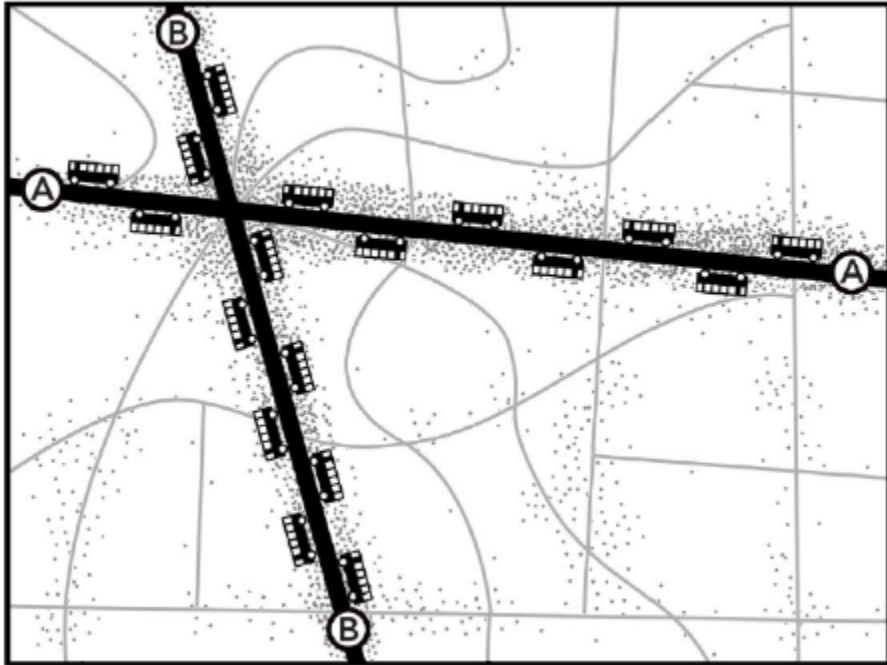
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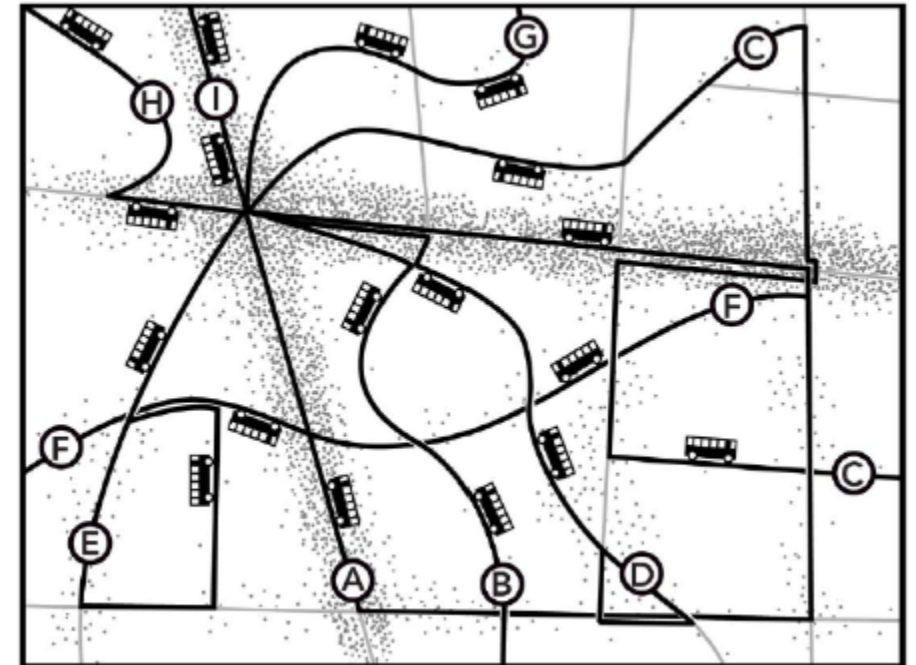
Discussion



Competing Values



Maximize Ridership



Provide Broad Access



Priority Populations

Equality



Equity





Competing Values

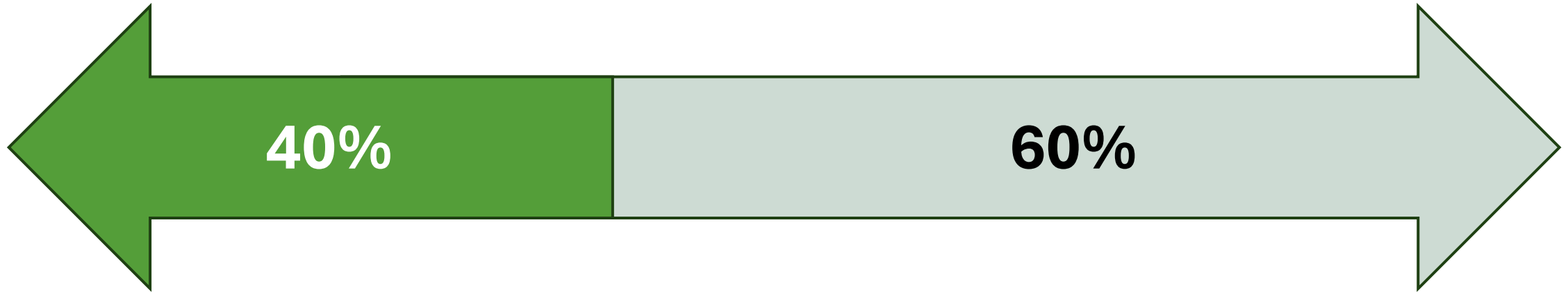


Maximize Ridership

Provide Broad Access



WTA Service Today

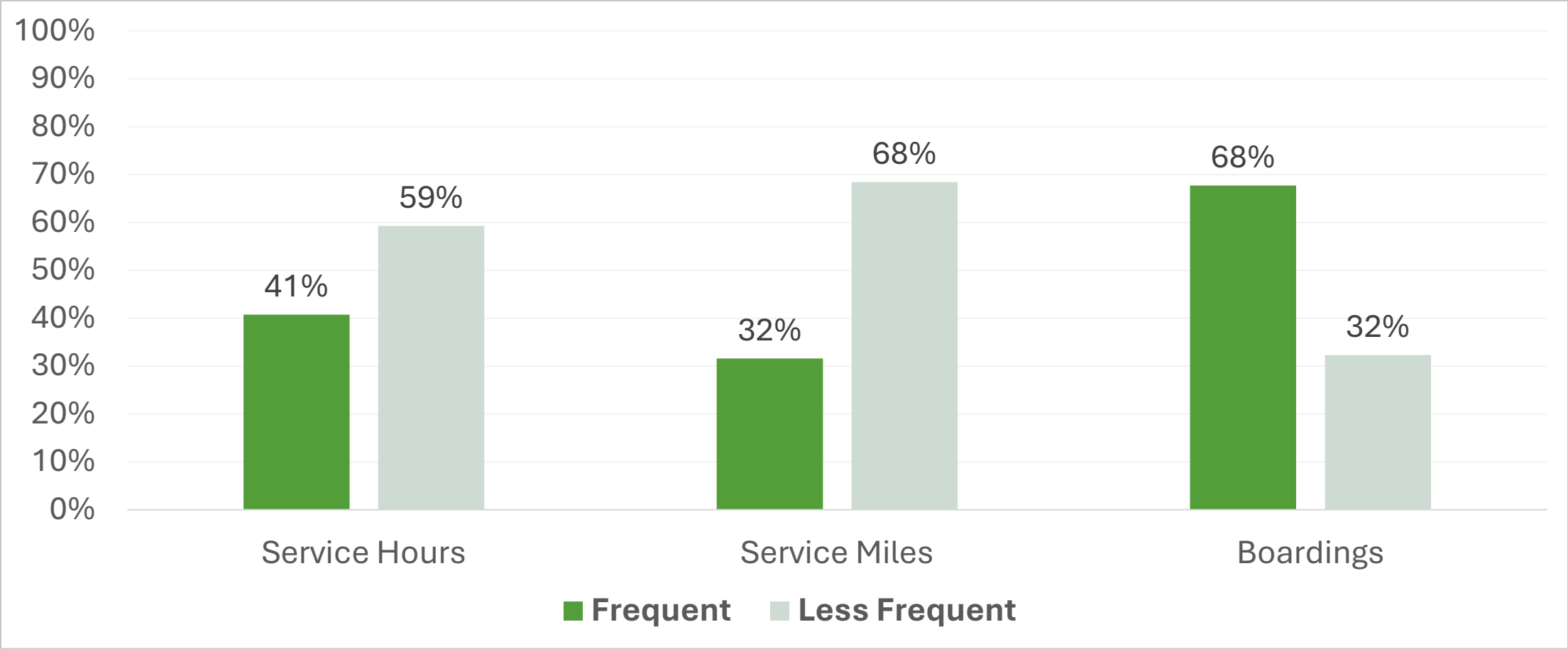


Maximize Ridership
Frequent

Provide Broad Access
Local, Rural/Small City

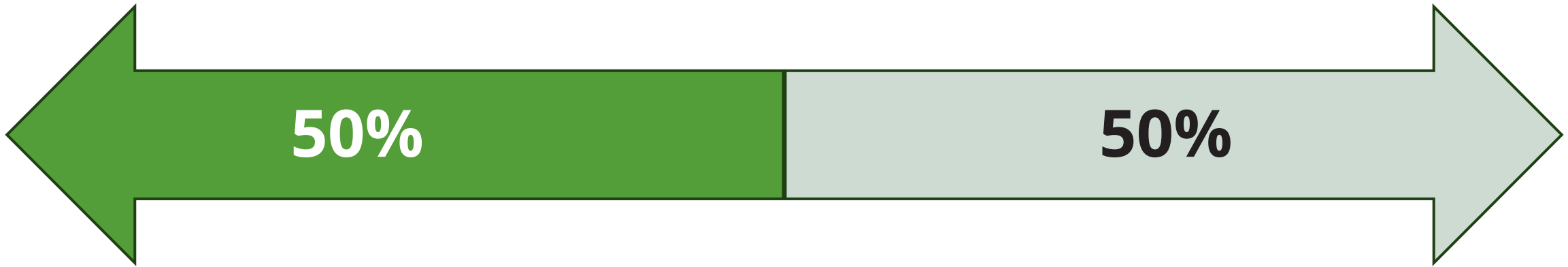


Service Amount and Boardings Comparison





Future WTA Service



Maximize Ridership

Frequent

Provide Broad Access

Local, Rural/Small City

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100% electric

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