

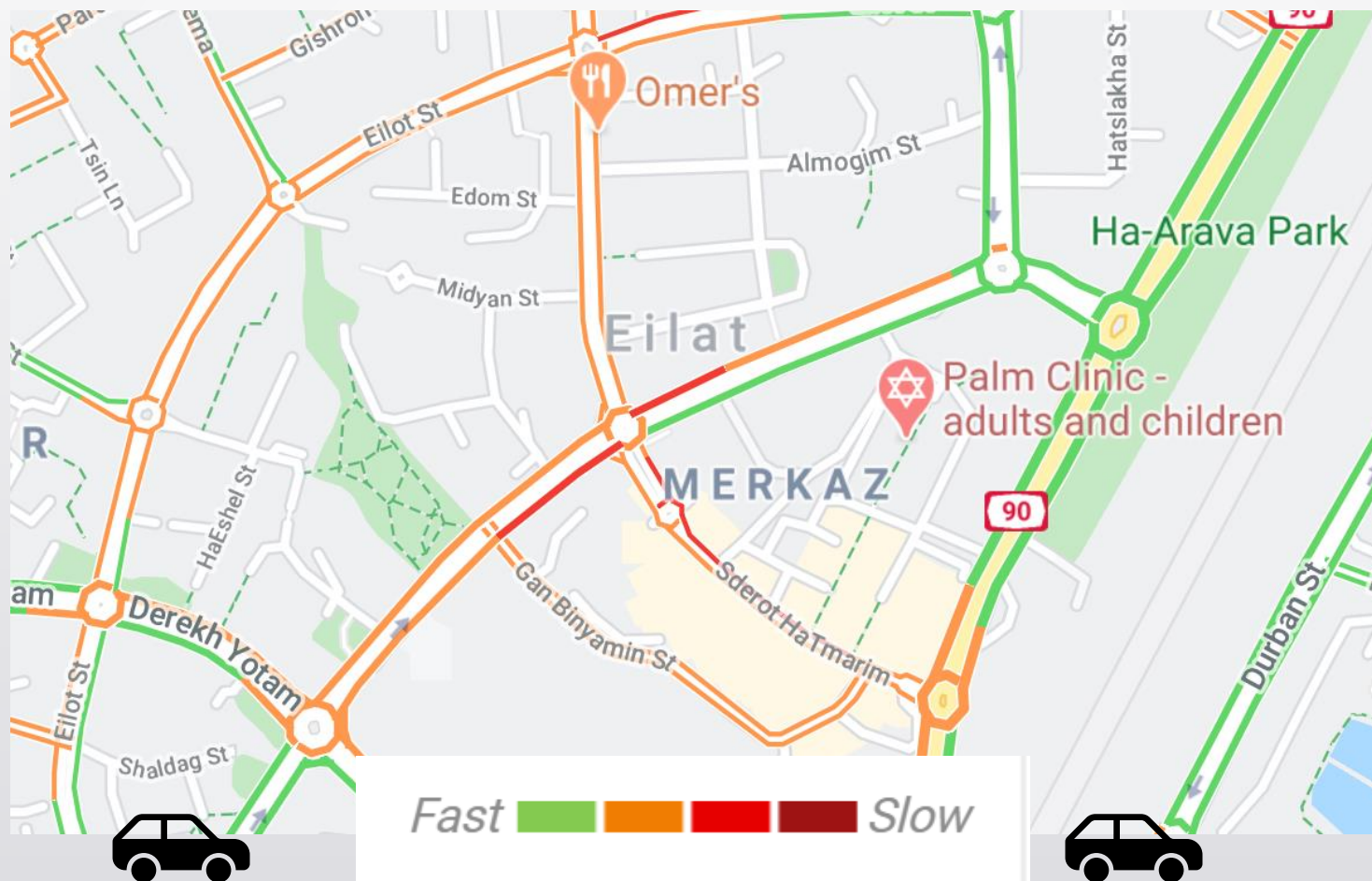


Developing an Urban Transportation Planning Tool

WPI Team - Emily Bowler, Jodi Kurilla, Hunter Lutte, Xavier
McLean

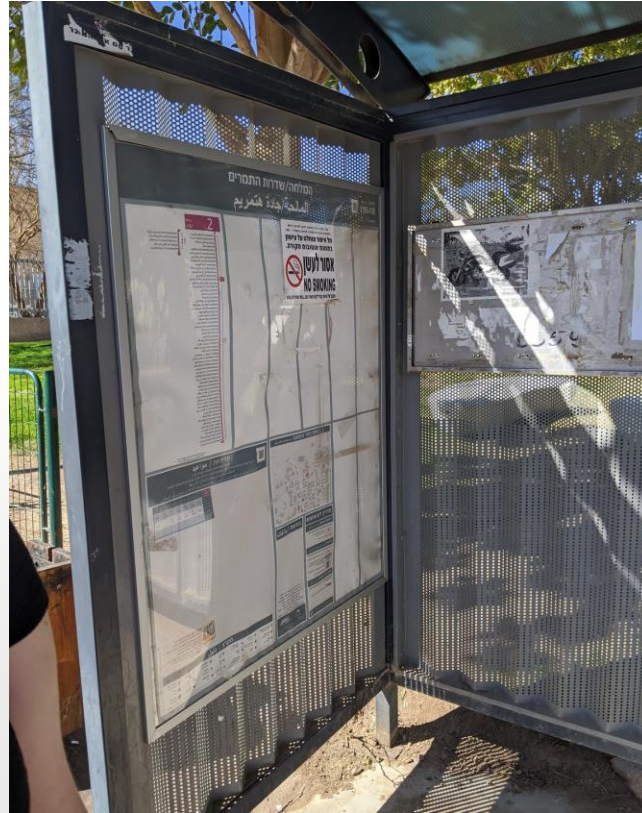


The Reason We're Here



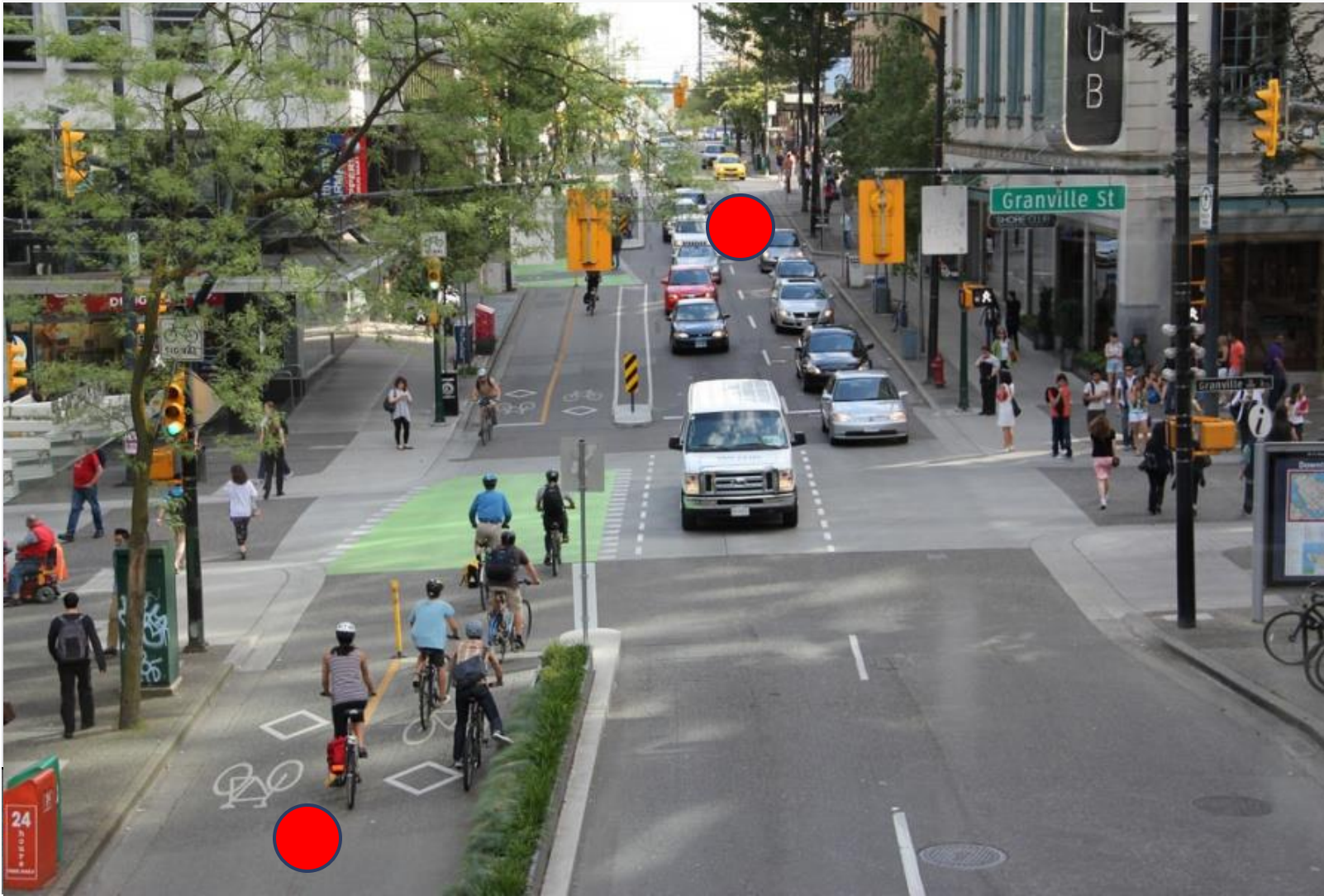
The Reason We're Here

Municipal planners need a simple tool to help them grade streetscapes





What Urban Planners See in a Street



A Tool to Assist Planners

- Can be used to evaluate streetscapes
- Meets sponsor requirements
 - Simple
 - Quick
 - Versatile
- Both planners and citizens can use

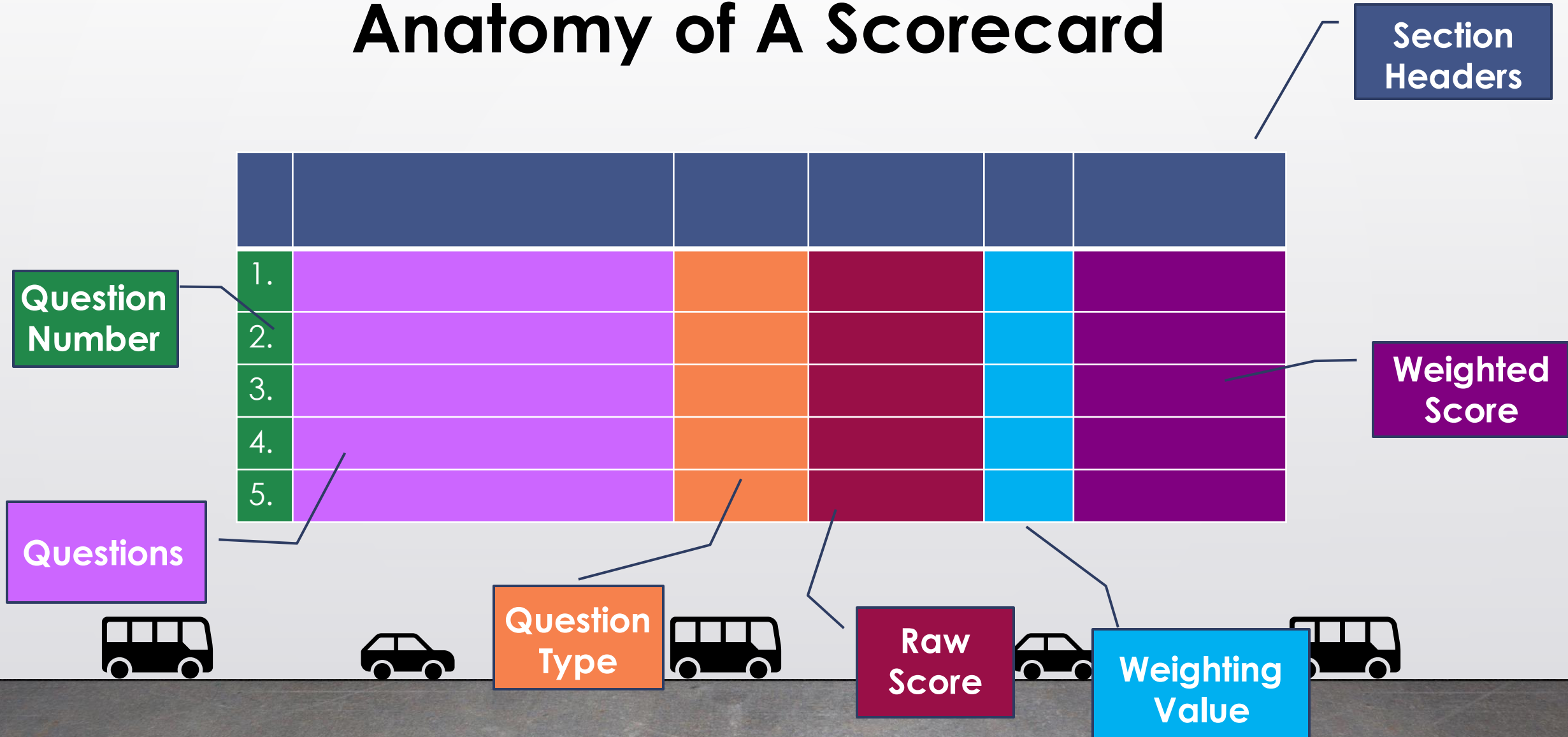




So What Does A Scorecard Look Like?



Anatomy of A Scorecard





The Developed Scorecard

Scaled type scorecard

Questions address street features or forms of mobility

Weighting included

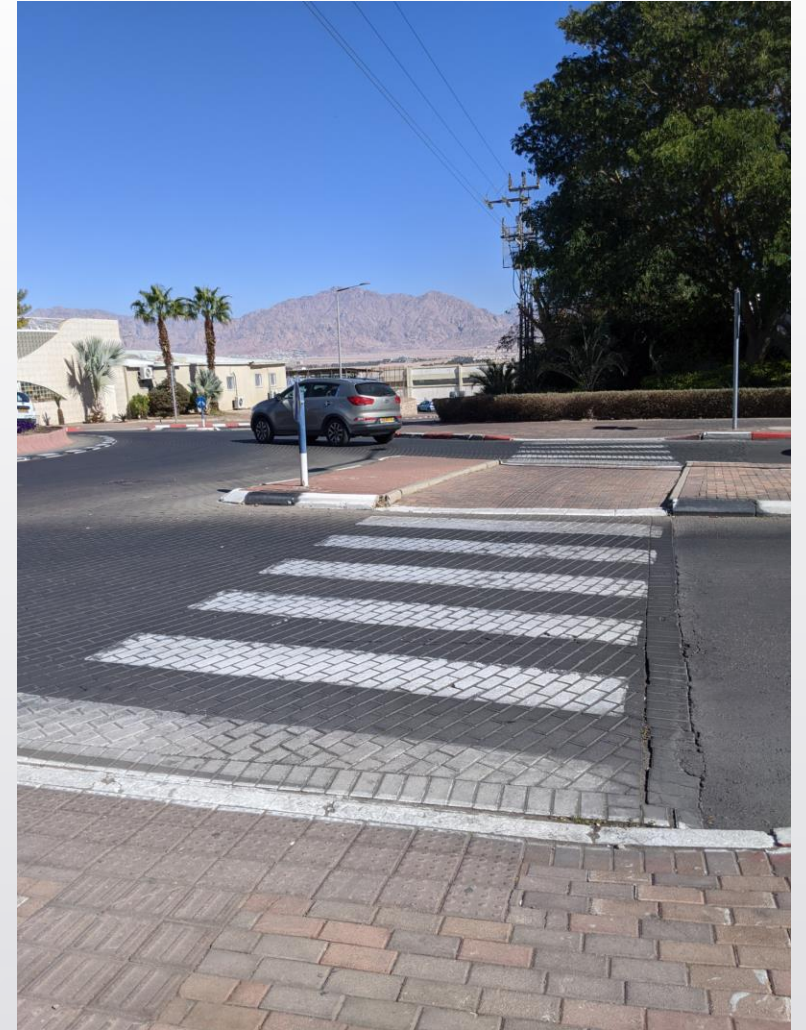
Grouped by focus

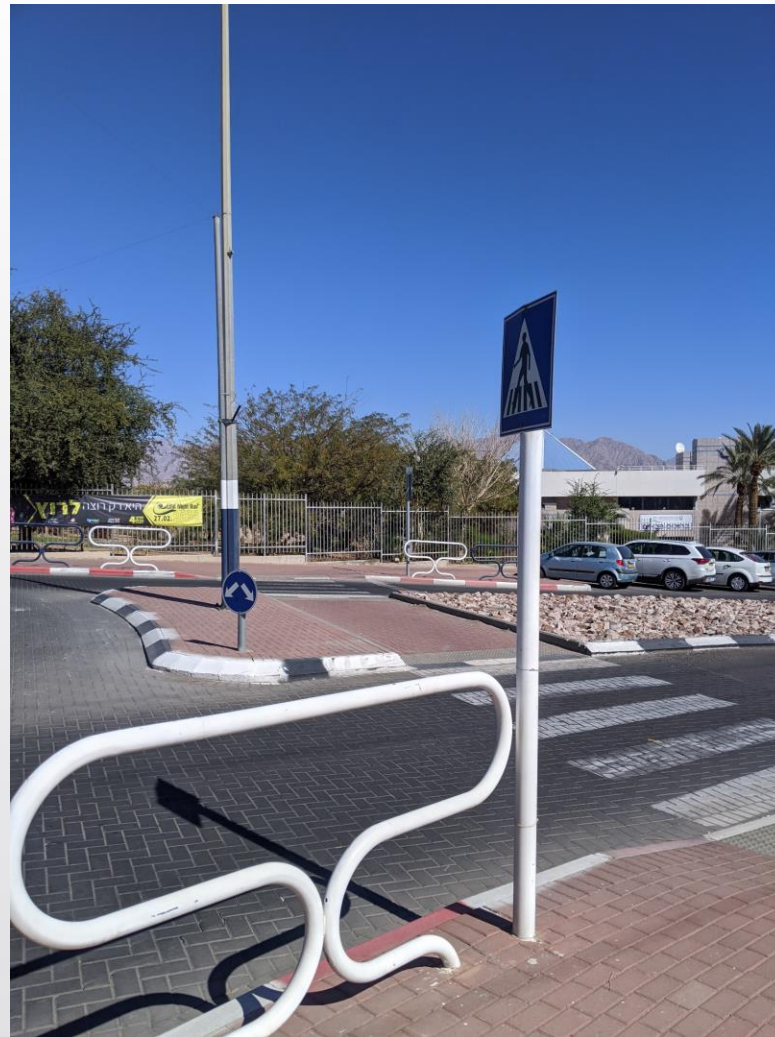
- Accessibility, Safety, Aesthetics, Connectivity



Accessibility Elements

- Bike lanes
- Sidewalks
- Curb cuts
- Bus stop information
- Considers Age & Ability





Safety Elements

- Buffer gate
- Pedestrian walking signage
- Pedestrian safety island
- Crosswalks
- Parking



Aesthetic Elements



- Street furniture presence
- Green space access
- Sidewalk & road maintenance
- Trees and plant life



Connectivity Elements



- Alley ways
- Bus routes
- Bike path presence
- Transit proximity to schools, grocery markets, hospital



The Next Step

- Handwritten vs. Digital
- Access -> Website
- Compiling Resources -> Database



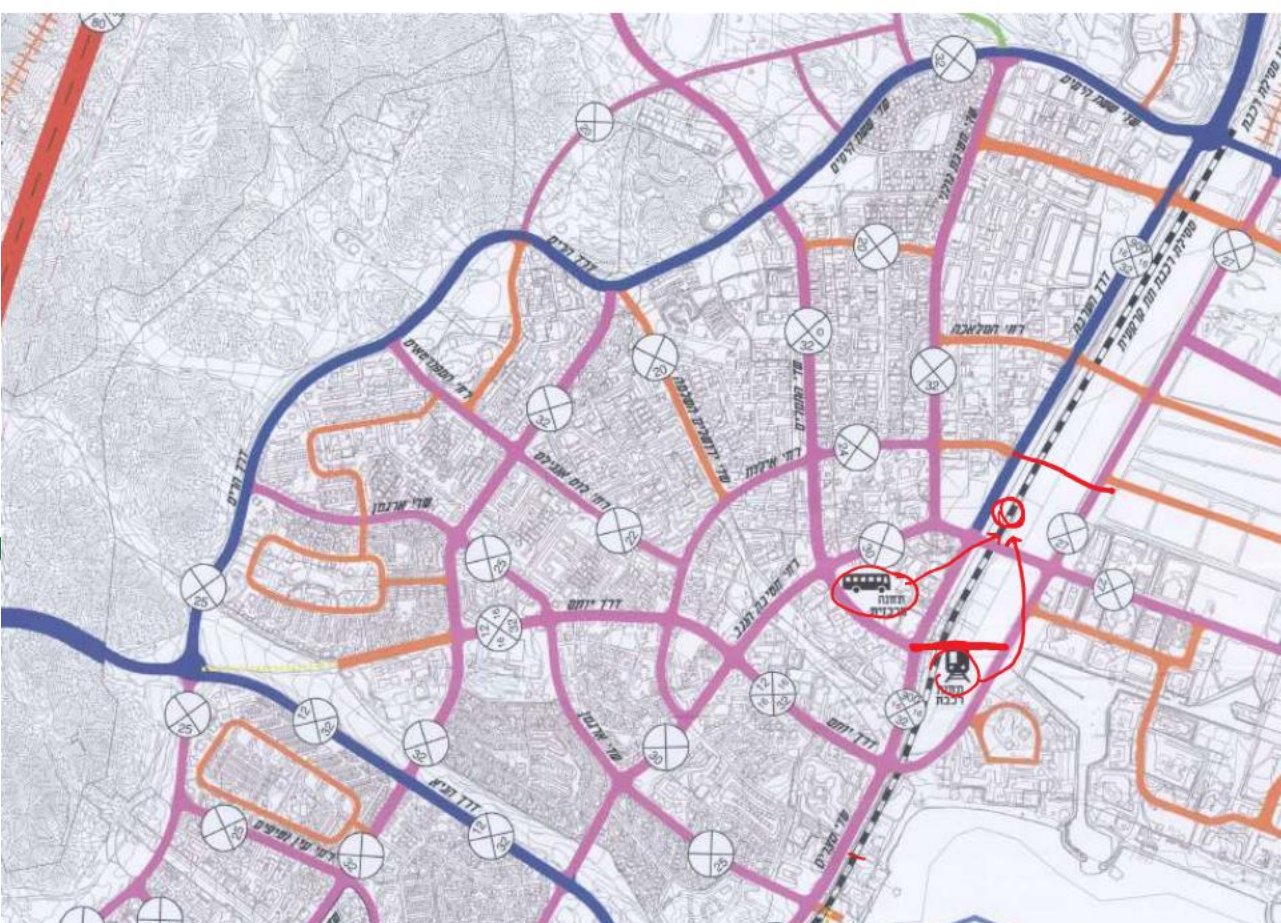
Website Database

תכנון עירוני עיריית אילת
Eilat Municipality Urban Planning



 Scorecard Tool	 Live Map	 G.I.S. Eilat
 Contact Directory	 Standards Links	 Recorded Data





Bridging the Gap



Thank You!





Questions?



Website Function

תכנון עירוני עיריית אילת
Eilat Municipality Urban Planning

Street Name: **ADD**

Evaluator:

NEXT →

תכנון עירוני עיריית אילת
Eilat Municipality Urban Planning

Accessibility

Safety

Aesthetics

Connectivity

Jordan
Israel
Eilat
Eilat
Agaba
العقبة

- Sidewalks
- Bike Paths
- Bus Paths
- Streets
- Live Traffic



Website Function

ACCESSIBILITY

Question	Scale					Weighting (%)
What is the distance between local bus stops on this street?	1	2	3	4	5	
How easily read (not destroyed, torn, soiled, etc.) is the map of the city at all the bus stop on this street?	1	2	3	4	5	
Are buses generally on schedule on this street?	1	2	3	4	5	
Does the bus stop have the correct information for routes and times?	1	2	3	4	5	
Are bicycle racks: 1.) Easily visible 2.) Secure 3.) Protected from weather 4.) Of sufficient clearance from buildings or vehicle parking?	1	2	3	4	5	

Y N

NEXT

תכנון עירוני עיריית אילת

Eilat Municipality Urban Planning

Eilat/Nevi'ot Street Has A Calculated Grade Of:

77%

← BACK SAVE View Full Breakdown Start Over →



Developed Scorecard Appearance

Date/Time:							
Street:							
Evaluator(s):							
FILL OUT THE SCORE ACCORDING TO THE RATINGS BREAKDOWN FOR EACH QUESTION. THEN ASSIGN A DESIRED WEIGHTING FOR EACH QUESTION. DO NOT ALTER WEIGHTED SCORE OR MAXIMUM POSSIBLE SCORE COLUMNS							
Parameter	Question Number	Question	Mode of transport	Raw Score	Weighting Value	Weighted Score	Maximum Possible
	1	What is the distance between local bus stops on this street?	Busing		1	0	5
	2	How easily read (not destroyed, torn, soiled, etc.) is the map of the city at all the bus stop on this street?	Busing		1	0	5

Parameter	Question Number	Question	Scoring Criteria
	1	What is the distance between local bus stops on this street?	5- 400m or less 4- 401 to 500m 3- 501m to 600m 2-601m to 700m 1- 700m or more
	2	How easily read (not destroyed, torn, soiled, etc.) is the map of the city at all the bus stop on this street?	5- All stops possess a easily read map 4- 80% to 99% of stops possess a easily read map 3- 60% to 79% of stops possess a easily read map 2- 40% to 59% of stops possess a easily read map 1- Less than 40% of stops possess a easily read map





Citations

- Slide 4
 - Krueger, Paul. (2011). Dunsmuir Separated Bike Lane. Retrieved from <https://www.flickr.com/photos/pwkrueger/5862131243>
 - National Association of Transportation Officials. (n.d.) Intersection Design Elements. Retrieved from <https://nacto.org/publication/urban-street-design-guide/intersection-design-elements/>
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