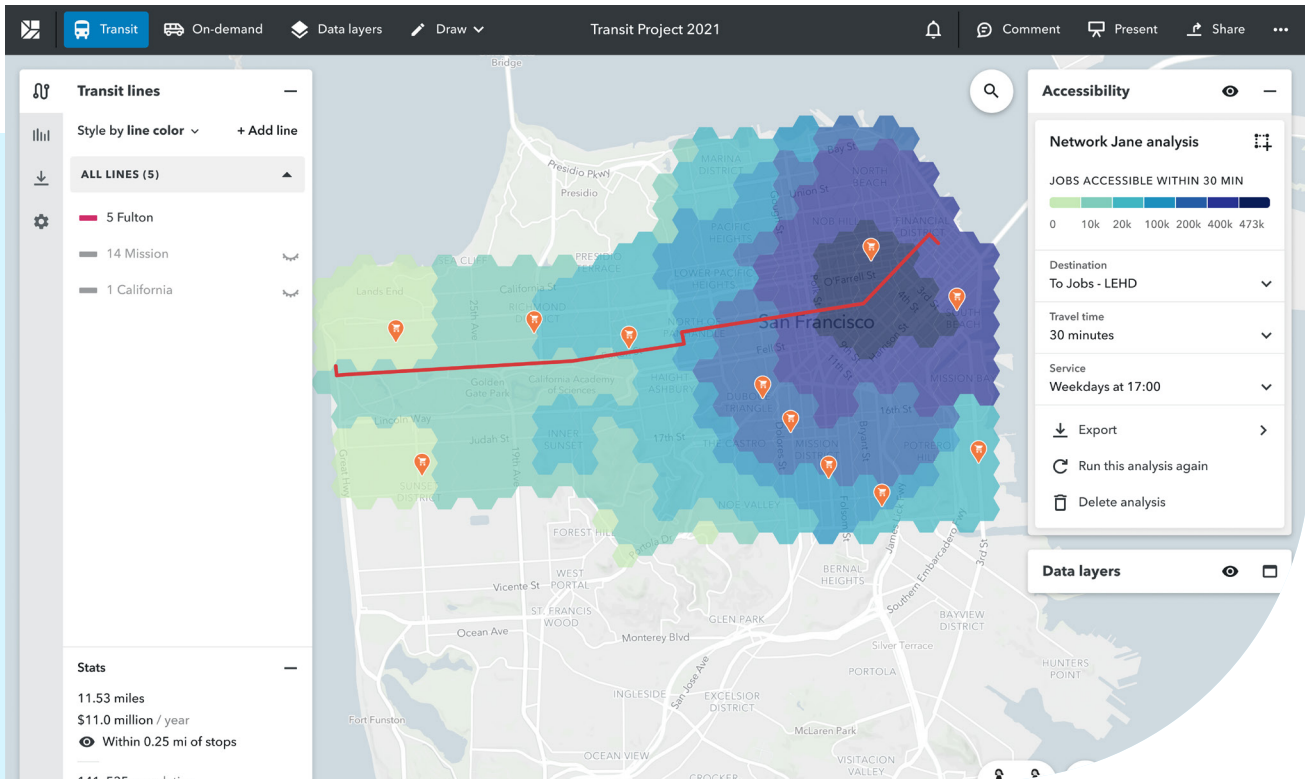# Use Network Jane to preview service impact — before launch.

Remix's Network Jane feature shows how changes to your transit network will improve access to jobs, healthcare, education, and more.

Let Jane lead stakeholders on a tour of planned service updates.

You've heard the community feedback; you know that your agency's transit network is having a tough time connecting riders in a particular neighborhood to jobs. You think you've got a fix — an extended bus line, or a pilot microtransit zone — but you'd like to verify that it actually increases job access before rolling out an expensive network change. Enter Jane.

Jane is one of Remix's most-beloved features: a friendly isochrone tool that helps you see how far a rider can travel by public transit within 30 minutes, 45 minutes, an hour, or more. Jane also lets you know how many jobs (or hospitals, or schools, or grocery stores — we've got a lot of data layers in Remix!) are accessible within your chosen travel timeframe.

With a recent software update, Jane got even more powerful: she can now plot multimodal trips not only between bus and train lines, but with microtransit services as well. Read on to learn how you can use the newly-christened "Network Jane" to validate planning hypothesis, communicate impact to stakeholders, and reach internal alignment quickly on planned service changes.

Scenario Planning

How can we compare a proposed FY2028 scenario to our existing network?

Project stage:

The network redesign team has recently finished a first draft of the proposed network for FY2028.

Planner's question:

Will the proposed network connect Hillside neighborhood residents to more job opportunities?

Solution:

Step 1: Run two versions of Network Jane analyses: one for the existing network, one for the proposed network

Step 2: Compare the results (# of jobs accessible within 45min) in the Hillside neighborhood to see if the proposed network improves job access for this community

Step 3: Overlay the 'Equity Priority Communities' data layer to understand if certain communities are negatively affected by the new proposed network.
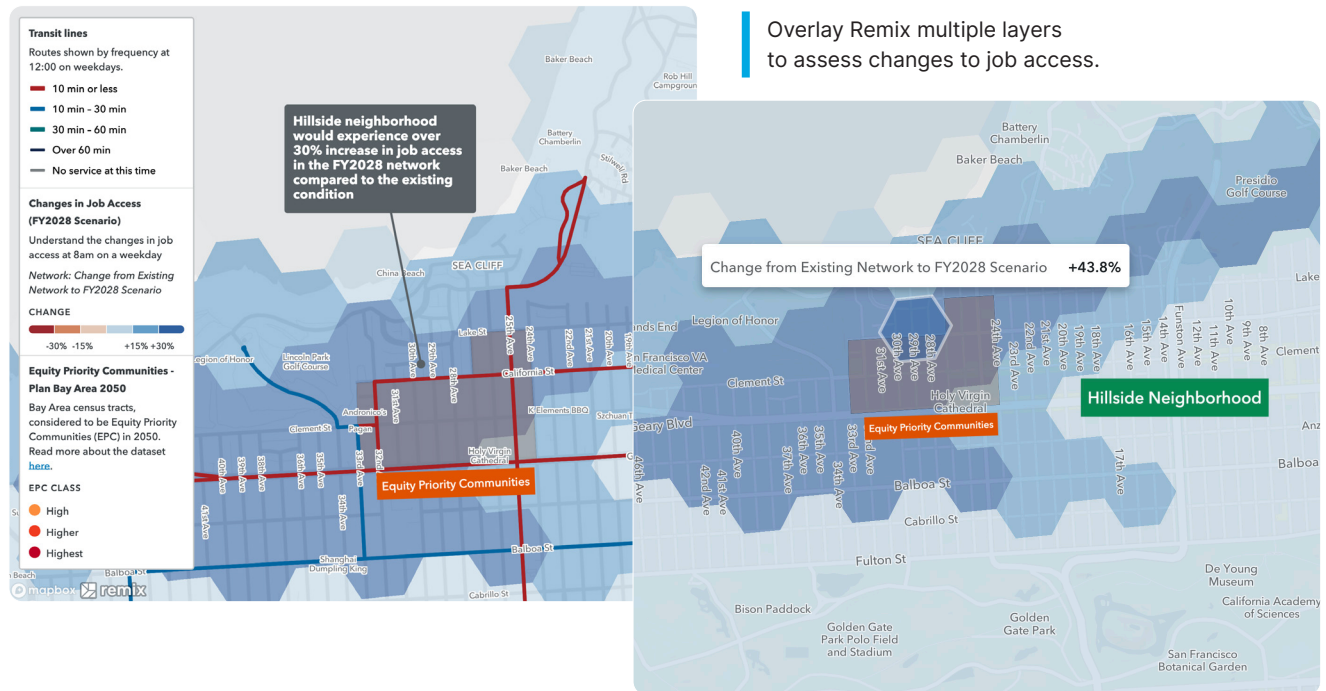
Overlay Remix multiple layers to assess changes to job access.

Equity analysis

Which communities lack access to affordable foods options?

Project stage:

The planning team is working with the Department of Health to conduct an existing condition analysis to better understand access to essential services.

Planner's question:

In which parts of the city do residents have access to zero grocery stores within a 30-minute bus-ride?

Solution:

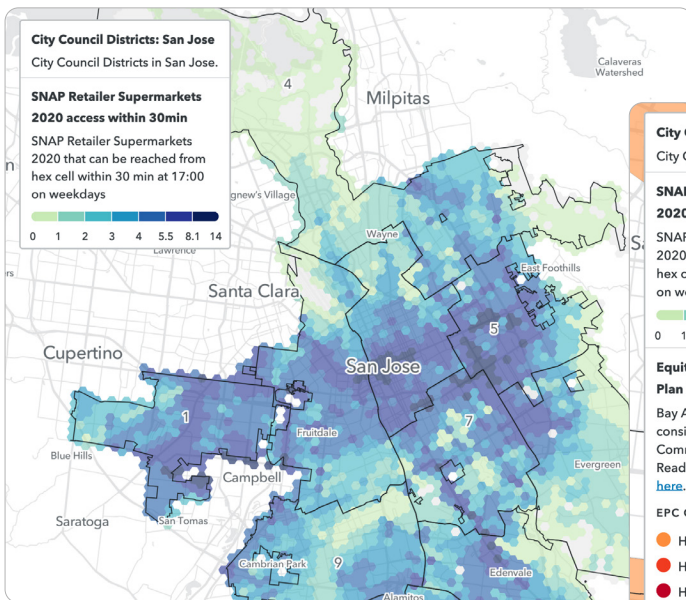**Step 1:** Run Network Jane analyses with the existing network

- Selected stats: # SNAP Retailer Supermarkets

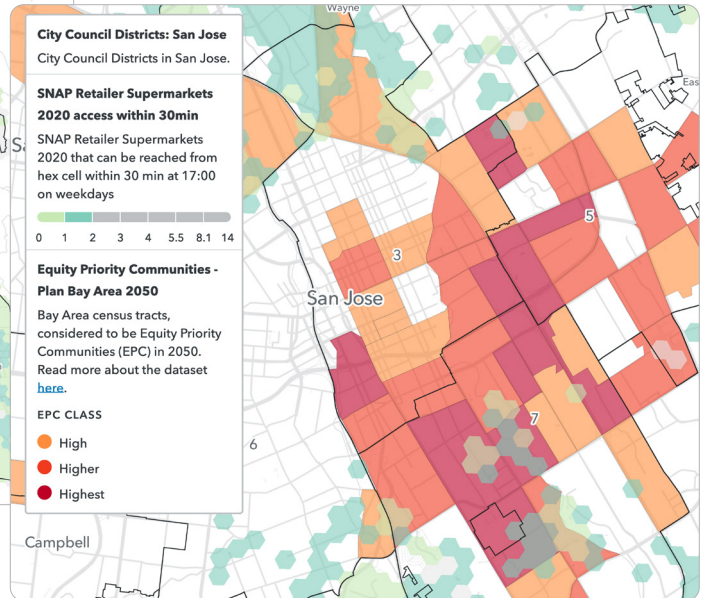- Travel direction: trips start from selected cells

Step 2: Save the Network Jane result as data layer, then highlight areas with access to 2 or fewer supermarkets

Step 3: Zoom into specific neighborhoods or overlay a boundary layer for further analysis.

Easily view priority communities with access to two or fewer supermarkets

Route frequency adjustment

How would increasing the line frequency to 12 minutes from 15 minutes enhance accessibility?

Project stage:

Project stage: New funding resources are available to onboard new drivers, so planners can consider a few routes for frequency improvement.

Planner's question:

Which routes we should prioritize to maximize the benefit? And how would increased frequency change accessibility metrics?

Solution:

Step 1: Run two versions of Network Jane analyses: one for the existing network, and one with an updated route frequency
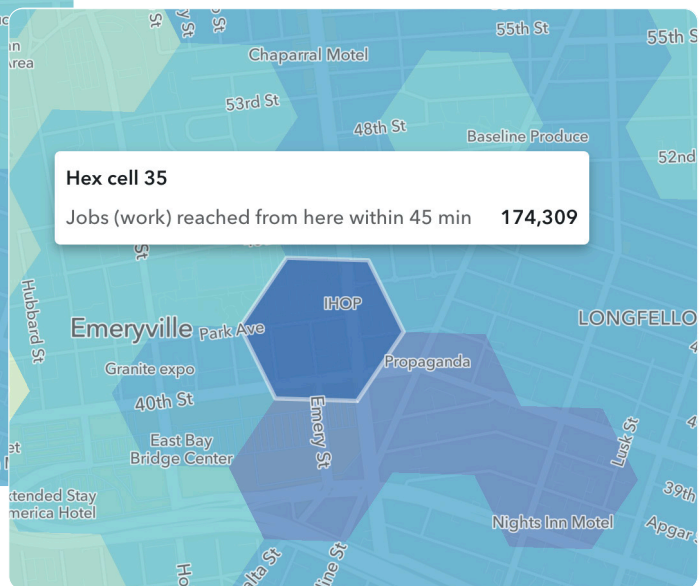
- Selected stats: # of jobs (workplaces)
- Travel direction: trips start from selected cells

Step 2: Zoom into certain neighborhoods to compare the differences in the number of essential jobs reachable within the same timeframe

Hex cell 35
Jobs (work) reached from here within 45 min **153,837**
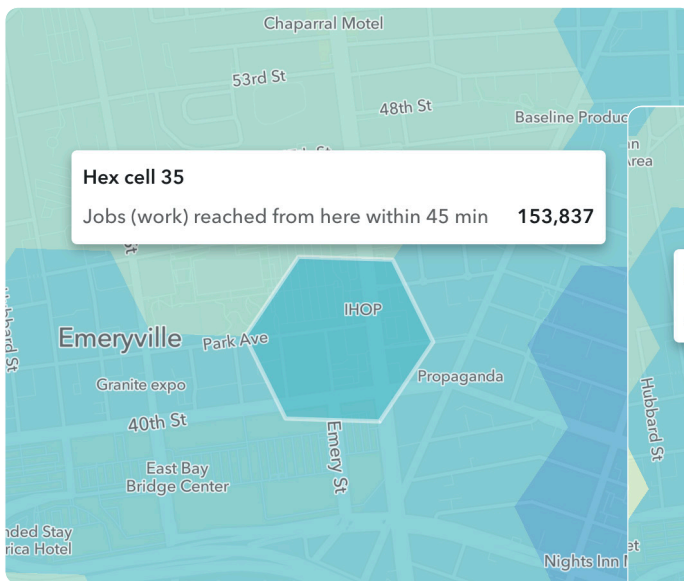
With an updated frequency, the bus line facilitates access to 13% more jobs.

Hex cell 35
Jobs (work) reached from here within 45 min **174,309**

Route frequency adjustment

What if we convert a fixed-route bus into new on-demand zones?

Project stage:

An annual audit reveals there are a series of lines experiencing low ridership. The board is interested in exploring microtransit options, especially for the low-performing routes that connect residents to essential services like healthcare facilities.

Planner's question:

What if we convert the fixed-route lines to new on-demand zones? What improvements can we expect?

Solution:

**Step 1:** Run Network Jane analyses with the existing network

- Selected stats: # hospitals
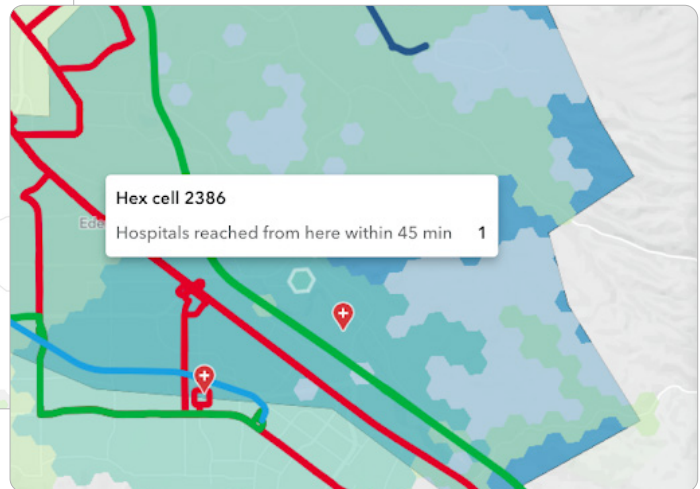- Travel direction: trips start from selected cells

Step 2: Add the new microtransit zones in Remix On-demand Planning (OdP) module and hide the fixed route lines considered for discontinuation. Rerun Network Jane.

Step 3: Compare the stats results of the targeted neighborhoods to determine the changes in access to hospitals.

Network Jane analysis
Hospitals that can be reached from hex cell within 45 min at 01:00 on weekdays
0   1   2.5   4
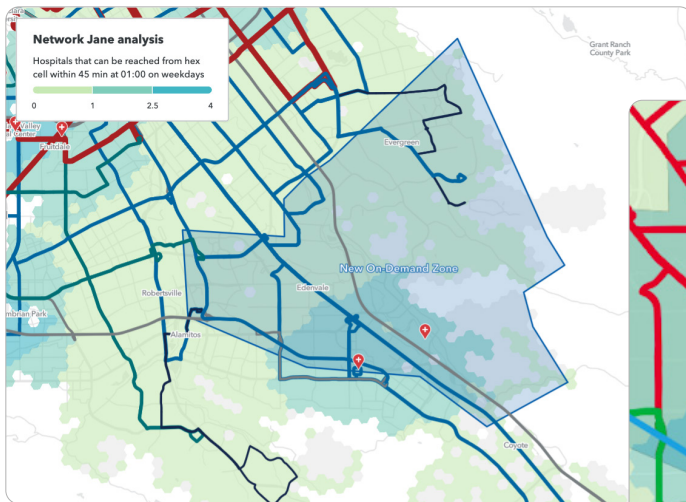
Individual cells can be isolated to investigate further

Hex cell 2386
Hospitals reached from here within 45 min   1

Route frequency adjustment

New school year bus network planning

Project stage:

The school district wants to understand how effectively students are served by school-operated and/or public transit, so they can decide whether to add additional routes.

Planner's question:

Is the existing school bus service meeting the needs of the enrolled students?

Solution:

Step 1: Run Network Jane analyses on the existing school bus network (or local bus network)

- **Selected stats:** Ideally, use the students' home location (anonymized and aggregated). Alternatively, use the number of youth aged 14 and below.
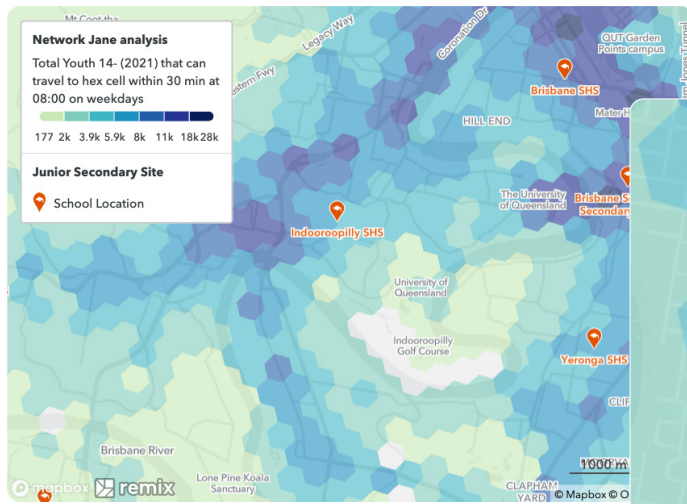
- **Travel direction:** trips end in selected cells

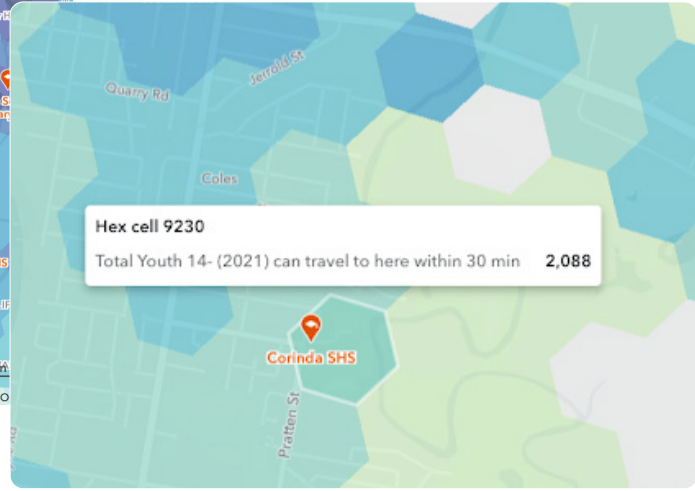**Step 2:** Overlay the school layer.

Step 3: Zoom in to the school and review Network Jane results of the hexagon where the school is located to understand how many students the existing network is serving.

Step 4: Modify the network and rerun Network Jane.

Zero in on a particular school location to learn how accessible it is to student-aged children.

Route frequency adjustment

What's the next best place to build a new distribution center

Project stage:

A developer is working with the city to search for the best location for a distribution center within a 5-mile radius of the airport.

Planner's question:

Considering the home location of the city's targeted workforce, which location provides the best transit connection?

Solution:

Step 1: Run Network Jane analyses with the existing network
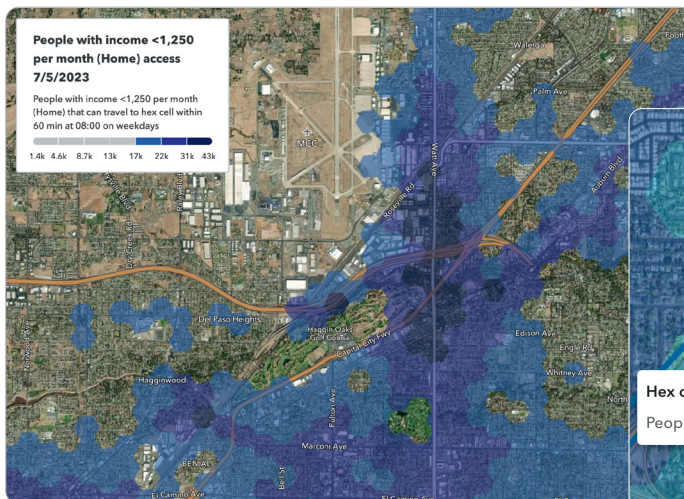
- Selected stats: People with monthly income <$1,250 (home location)
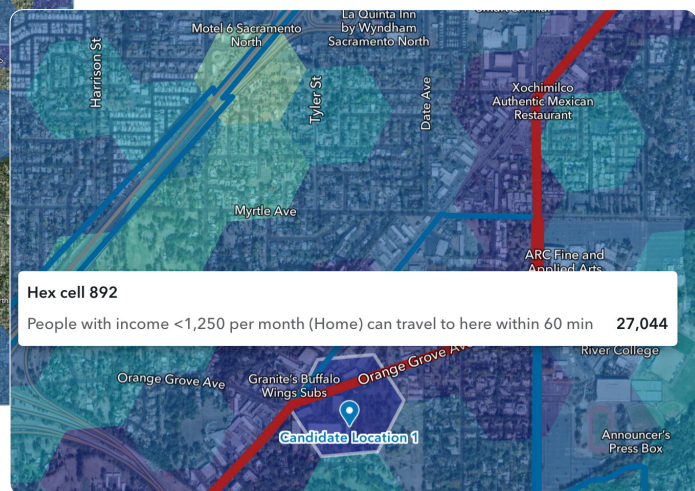
- Travel direction: trips end in selected cells

Step 2: Switch to Satellite map view to gain an overview of the land use.

Step 3: To evaluate potential locations, turn on the transit line, overlay with other data layers, and review the Network Jane results for each proposed location.

Learn how many potential job seekers can access your proposed location.

Want to learn more about how to use Network Jane in your next planning project? Reach out to:

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