

Remix Technologies, LLC

Documentation of Unique Functionality and Features

EXECUTIVE SUMMARY

Remix is the only provider of integrated transportation planning software that connects flexible data analysis with transit planning and street design, enabling transportation professionals with the complete mobility toolkit. The software empowers 350+ local governments and over 11,000 transportation professionals to plan better public transit, street infrastructure, and transportation policy. Remix Technologies, LLC brings decades of transportation expertise alongside accomplished software development experience to provide technology specifically designed for local government.

With Remix's flexible and robust data analysis capabilities, the Remix platform is the only transportation software specifically designed to help professionals integrate equity analysis into all workflows. Remix is built on, and champions, open data standards, making us uniquely positioned to work within an agency's existing processes, and minimizes an organization's risk for vendor lock-in, maximizing the potential for collaboration. Remix is the first and only collaborative mapping platform made to be used by multiple departments across a diverse set of stakeholders and, unlike other technology offerings, is intentionally designed for community engagement.

Remix is cloud-based and provides an unlimited number of user accounts within a customer organization, providing the flexibility to use Remix at home offices, team meetings, or stakeholder outreach, as well as access to the most-up-to-date version of Remix without hidden update fees or costly en-premise installation and maintenance. Remix is updated continuously based on customer feedback and research; in 2020, the product development team launched over 120 new features to the platform. Remix's best-in-class software is paired with Remix's expert customer success team, a team of consultants and transportation professionals to support the long-term success of our clients' transportation programs and projects. Each customer organization is assigned a dedicated Customer Success Manager, ready to ensure an organization is thriving from the moment it becomes a customer. When an organization procures Remix, they don't just procure technology — they procure transportation expertise, influence in software innovation, and access to Remix's large network of planning professionals.

Key Distinguishing Features



Powerful multimodal analysis

Remix is the only provider of integrated transportation planning software.

REMIX TRANSIT

Remix Transit is the first platform for public transit where an agency can design and evaluate anything from a route detour to a full system redesign, and everything in between. Unique specifications include:

- Cloud-based software with a drag-and-drop interface for drawing transit routes with instant analysis on operational and demographic details
- Built to utilize existing bus stop infrastructure and agency's General Transit Feed Specification (GTFS)
- Customizable timetables with timepoints and trip variants
- Customizable vehicle blocking for accurate cost estimates
- "Jane", Remix's travel time isochrone that visualizes access and mobility across a transit network — takes into consideration the pedestrian network to provide an accurate representation how people navigate the built environment
- Full integration with Remix Scheduling



Flexible data analysis

Remix is the only transportation planning platform designed for quick and flexible data analysis

REMIX EXPLORE

Remix Explore is Remix's data platform designed for powerful and flexible data analysis that is visually compelling and easy-to-use. Designed to support anything from a board presentation, equity analysis, or grant funding proposals. Unique specifications include:

- Instant demographic statistics on any geographic boundary: a custom shape, point, line, or predefined region, like census tract or zip code
- "Breakdown Tables" to dig deeper and uncover the interaction between multiple demographic variables

OUT-OF-THE-BOX DATA LAYERS

Out-of-the-box data layers and visualizations are available to customers immediately. Unique specifications include:

that is intuitive to use.

- For customers in the US: visualization of demographic data from American Community Survey (ACS), jobs data from Longitudinal Employer-Household Dynamics (LEHD), commutes data from Census Transportation Planning Product (CTPP), origin-destination data from Origin-Destination Employment Statistics (LODES), essential services data with Homeland Infrastructure Foundation-Level Data (HIFLD), infrastructure data with the Bureau of Transportation Statistics (BTS), and political boundaries data with Community Development Financial Institutions Fund (CDFI Fund) and Census.
- Interactive data layers for filtering and rescaling data
- “Delta Layers” to calculate change over time across multiple ACS and Census datasets

CUSTOM DATA LAYER UPLOADS

Custom datasets are sent by customers to their designated Customer Success Manager, and uploaded by Remix’s expert data visualization team. Additionally we also allow self-serve data uploads. Unique specifications include:

- Data uploads shared across an account organization to promote collaborative workflows
- Examples of uploaded data include: historic ridership data, bus stop amenities, traffic collisions, vehicular turn counts, bike network data, etc.

DATA AGNOSTIC

The Remix platform is data-agnostic, built to ingest data from both proprietary and public sources. Unique specifications include:

- Dedicated data team that has supported over 3,000 datasets to date
- Proven experience partnering and integrating with other ITS vendors, such as Syncromatics, INRIX, Swiftly, and Via

OPEN DATA STANDARDS

Remix champions open data standards to minimize an agency’s cost of transforming data and to ensure interoperability with other systems. Over years, Remix has made significant contributions to leading transportation data standards, like GTFS and Mobility Data Specification (MDS), so that

an ecosystem of technology and tooling exists to help the broader transportation industry.



Designed for collaboration and community engagement

Remix is the first and only collaborative mapping platform made to be used by multiple departments across a diverse set of stakeholders and, unlike other technology offerings, is intentionally designed for community engagement.

UNLIMITED USERS PER CUSTOMER ORGANIZATION

One agency license includes access for an unlimited number of users within the customer agency.

WIDE RANGE OF IMPORTS AND EXPORTS TO PROMOTE INTEROPERABILITY

As a SaaS product, Remix is designed to work with existing agency tools and processes. Users can import and export existing information to GTFS and CAD. Other exports include Microsoft Excel, KML, shapefile, PNG images, as well as print-ready visuals in PDF.

COLLABORATION WITH INTERNAL STAKEHOLDERS

Remix is designed to assist the many collaborative components of the planning process. Unique specifications include:

- “Remix Commenting” to collect and manage feedback from colleagues
 - ◆ Geo-located comments that provide additional clarity and context about the project at hand
 - ◆ Threadable commenting for storing conversation in one place and makes collecting input easier to manage
 - ◆ Archived comments to categorize comments that are in active discussion vs comments addressed
- Project sharing through email invitation or shared links
 - ◆ A “viewed” list showing which invited users have viewed the project
 - ◆ Shared project links can be duplicated to preserve originals and support project versioning
- Transit lines that can be dragged and dropped across projects
- “Sample Street Projects” in Remix Streets, which are templates of various street designs that users can copy and paste into their own projects to make the design process faster and easier

- Shared organization-wide settings that are customizable per agency

COLLABORATION WITH EXTERNAL STAKEHOLDERS

Collaboration between a transportation agency and external stakeholders is a two-way street. That's why Remix is intentionally designed for community engagement. Unique specifications include:

- Read-only project view shared through web links
- "Remix Commenting" to collect and manage feedback from external stakeholders
 - ◆ Geo-located comments that provide additional clarity and context about the conversation at hand
 - ◆ Optional threadable commenting that provides back-and-forth conversation between internal staff and external stakeholders
- Comment export to keep record of public or external stakeholder feedback in one place

PRESENTATION-READY MAPS

Remix's "Presentation Studio" turns transit projects into public-facing materials by providing additional polish and high resolution visuals. Unique specifications include:

- Line styling by color, texture, and weight
- Text annotations to provide additional clarity and notes to a map
- Directional arrows and customizable bus stop icons
- Overlapping lines
- Exportable, high-resolution maps in PNG



Designed to help practitioners integrate equity into all workflows

Remix strives to help local governments achieve more equitable outcomes by expanding access.

TITLE VI SERVICE EQUITY ANALYSIS

Before and after census-based Title VI service equity analysis completed in 10-15 minutes.

“JANE,” REMIX’S ACCESSIBILITY TOOL

Jane analyzes a transit network’s access to workplaces and other resources. See “Remix Transit” for more details.

“BREAKDOWN TABLES”

Remix’s “Breakdown Tables” was co-developed with transportation advocates and policy experts to accelerate the pace of demographic analysis for grants, social impact analyses, and the understanding of who a project impacts. Read more about the co-development process [here](#). See “Remix Explore” for additional details.



Trusted by 350+
local governments
and 11,000
transportation
professionals

Remix is a trusted
technology company due
to the company's joint
expertise in software
development and
transportation planning
and policy.

REMIX'S CUSTOMER SUCCESS TEAM

Each customer agency is assigned a dedicated Customer Success Manager to support account creation, training, continued education, and best practice sharing. Unique to the Remix Customer Success Team are:

- Expertise in the industry with prior experience in transit planning, transportation planning, consulting, or urban studies
- Training and continued education for no additional charge

TECHNICAL SUPPORT

One agency license includes access for an unlimited number of users without the worry of maintenance, hosting, or software updates. Remix Technologies, LLC maintains the technology infrastructure and releases new features available immediately to active customers for no additional charge.

REMIX'S PRODUCT PHILOSOPHY

Remix builds continuously for improvements and new features in the product. Remix's product roadmap is determined by customer needs. In the calendar year 2020, Remix released over 120 product updates, all available to existing customers without additional cost or on-premise installation.

REMIX COMMUNITY

Remix brings together a community of experts, advocates, and practitioners to provide guidance and share recommendations. Unique to the Remix Community are:

- Remix's Advisory Committee comprised entirely of expert practitioners in the transportation sector. [Read more about the committee here.](#)
- Transpo Talk, a private Slack community for public sector transportation professionals -- initially created for the industry to gather and navigate the COVID-19 crisis and recovery together, and now functions as a community of over 600 professionals sharing best practices and forming connections.

COMPANY AWARDS

Company awards include:

- 2020 World Economic Forum Tech Pioneer - awarded to innovative organizations that the World Economic Forum considers “Technology Pioneers”
- 2020 BloombergNEF Pioneer - awarded to “game changing” organizations working in energy, transportation, and sustainable spaces
- 2016, 2017, 2018, 2019, 2020, and 2021 GovTech Top 100
- 2021 StateUp Top 21 Digital Innovation Company

Dillon Twombly



Chief Revenue Officer
dillon@ridewithvia.com

Remix by Via
10 Crosby St., Floor 2
New York, NY 10013
www.remix.com
www.ridewithvia.com

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