



# Avenew Offers Better Tools For Schools

**How can you get thousands of kids to school in less than an hour?**

**Try our secure web application: Avenew**

**Powerful new algorithms offer school boards invaluable results through bus re-use.**

Your team can use Avenew to validate what you are already doing well and to implement alternative routing in problematic areas.

Our algorithms ensure optimal fleet re-use within any number of scenarios. New routes establish highly efficient stop locations, encompass real local walking distances, and load buses to minimize the runs needed to get every student to school and home again safely.

Our web application was designed with the shared mobility expertise of Sandler Consultancy and the routing intelligence of Good Travel Software to provide a superior audit and planning platform for student transportation. By working closely with school boards, we built Avenew so you can quickly shift from a full school family view right down to individual students and stops. It offers analysts smarter settings to generate highly efficient bus routing, minimize travel time, and maximize bus re-use within school families with multiple program boundaries.

**Test drive Avenew now to audit your operations. Contact [cece@sandlerconsultancy.com](mailto:cece@sandlerconsultancy.com)**

**Recent audits have shown potential savings for 2020 and beyond.**

- ✓ Select fleets can be reduced in size by **14%**
- ✓ Bus re-use can be increased to over **60%**
- ✓ Average travel time was **29 minutes** for 17 runs completed by re-using 9 buses.
- ✓ Import your school data and have verified results for each family within **48 hours**.

*"The exports and the statistics have been constant reminders on how things could be different and that has been huge to the team."*  
-HRCE Transportation Team



**Avenew**  
your smartest route

 **Sandler Consultancy**  
Working with the people behind the tech

  
Software in Motion

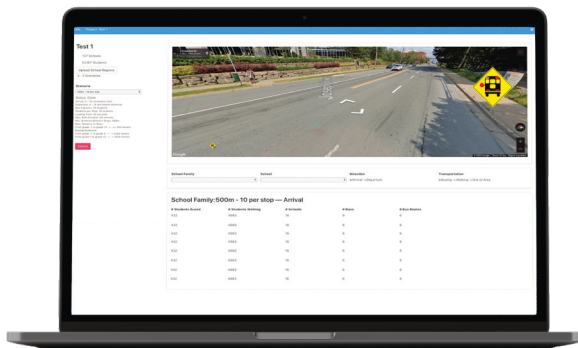
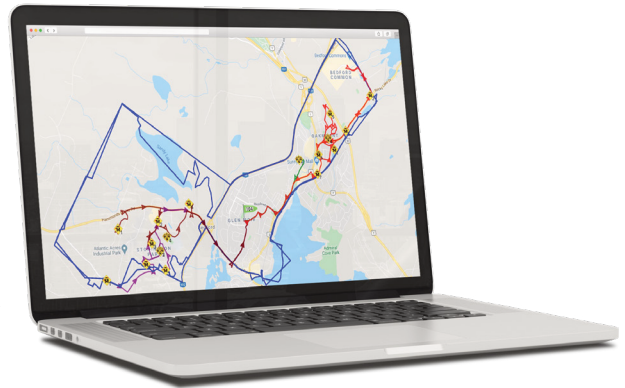


# Optimize Group Stops • Balance Travel Time

**Next level routing intelligence has arrived.**

**Start with our easy to use  
cloud-based routing application.**

Designed for Student Transportation Analysts, Avenew can easily upload school, student, and boundary data into our secure cloud app to see multiple stop scenarios. By adjusting loading and travel parameters you can quickly analyze different collection point configurations. Once you define a scenario, Avenew generates the most efficient configuration to optimize stops, balance travel, and maximize bus re-use. Quickly see where your routing succeeds and what alternatives Avenew offers.



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**See schools, students, stops, and routes  
all in one place.**

Your team can manage all your school families in one console. Compare riders and walkers and shift between maps, roadside views, and tables to achieve immediate results. In addition, you can export data to generate actionable routing to improve current operations.

**Discover how your unique  
walking data improves bus routes.**

Our walking algorithm is an invaluable missing link. It allows you to set approved walking distances for every student and grade. This not only creates smarter routes, it also supports healthier children, less buses, and shorter rides.



# Maximize Bus Re-Use • Deliver Greater Savings

**We welcome you to test drive Avenew to see greater efficiencies.**



**Quickly revise parameters to instantly generate better group stops.**

We know everything that happens at a stop is key to balanced transportation. Now you can compare scenarios by changing distances between stops, numbers of students, walking distance to stops and their eligible walking distances to school.

**See satellite maps of regional routes right down to the street level.**

You can scan the bird's eye view of your region and ensure ground level safety at the same time. Your analysts will become better informed by seeing the real streetscapes, dead-ends, intersections, parks and walking paths that your communities use every day.

**Generate and compare scenarios, balance transportation and save.**

Take your interactive tools to the next level by starting with an Avenew audit. It brings more detailed data into the transportation puzzle to uncover the most efficient routing, minimize student travel time, and determine where it's best to re-use buses.

**Avenew** generates customized routing within hours, then our statisticians verify your results to ensure efficiencies. **Our system can also incorporate route contingency planning, including the evolving COVID-19 procedures to come.**



# Proven with Canadian School Boards

## Our audits validate routing and identify potential savings for school families.

Avenew's Stats Team generated stops and routing for over 130 schools, ensuring maximum bus re-use and efficient group stop allocation. Our solution provided efficient routing for over 16,000 students, transporting them to school in less than an hour. The solution also re-used 61% of the bus fleet with a minimum number of collection points to ensure board mandated walking distance limits.

**In one school family, Avenew's new routing solution showed the potential to transport over 800 students by performing 17 runs with only 9 buses at an average run-time of 29 minutes.**



**Jacob Ritchie, Director of Operations Halifax Regional Centre for Education**

*"The opportunity to audit our current routing system by using the Avenew routing methodology allowed our team to find areas where the routing system we have been using may have been embedding old assumptions and building upon its past network to a degree that didn't let us see changes to find efficiency."*

## Audit Summary

**Challenge:** Provide most efficient routing and minimum collection points for all eligible students. Increase Active Transportation.

**Solutions:** Re-use more buses by strategically locating collection points, and by generating new routing that allows more buses to perform multiple runs.

**Results:** 61% bus re-use can lead to significant fleet reductions in many families, while ensuring student travel is in less than an hour.

**Learn more about our case study and test drive Avenew now to audit your operations.**

## CONTACT:

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