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ROUTEFINDER PRO

A POWERFUL YET EASY-TO-USE COMPUTER-ASSISTED
TRANSPORTATION ROUTING, SCHEDULING, AND PLANNING SOLUTION

transfinder

ROUTEFINDER PRO FROM TRANSFINDER IS REGARDED BY MANY AS ONE OF THE EASIEST AND MOST INTUITIVE METHODOLOGIES FOR TRANSPORTATION ROUTING, SCHEDULING, AND PLANNING FOR SCHOOL TRANSPORTATION MANAGEMENT AND ATTENDANCE ZONE PLANNING.

ROUTEFINDER PRO HAS EVERYTHING YOU NEED TO MANAGE YOUR TRANSPORTATION OPERATION MORE EFFECTIVELY. NO SPECIAL GIS (GEOGRAPHIC INFORMATION SYSTEM) OR MAPPING KNOWLEDGE NEEDED—IT TAKES FAMILIAR PAPER MAPS AND DATA ENTRY FORMS AND TRANSFORMS THEM INTO AN INTEGRATED AND ROBUST SOLUTION SCALABLE TO AS MANY USERS AS YOUR DISTRICT REQUIRES.

With Routefinder Pro, you will:

- Easily manage bus routes, students and drivers;
- Analyze bus routes and pickup sites, and quickly adjust to changes;
- Create and analyze “what/if” scenarios to continually improve service and lower operating costs;
- Seamlessly integrate with district-wide student information systems;
- Increase efficiencies, enhance services, and reduce costs.

“Routefinder Pro helped me see on the map where our students were and where we were picking them up. A picture is worth a thousand words—just by being able to see them we saved nearly \$80,000 a year by eliminating only two routes.”

DAVID LEAVITT
DIRECTOR OF SUPPORT SERVICES
MSAD 9 FARMINGTON, NEW SHARON, ME

“The redistricting tool has been priceless for experimenting with “what if” scenarios to plan down the road the effects of adding a new school or redrawing boundaries. I can’t imagine making these decisions without it.”

CHRIS PINKNEY
TRANSPORTATION COORDINATOR
FARGO PUBLIC SCHOOLS, FARGO, ND



Industry-Leading Technology

Utilizing the advanced Geographic Information System (GIS) of MapInfo®, database technologies of Microsoft®, and report generation from SAP Crystal Reports®, **Routefinder Pro** lets you visualize data related to students, routes, drivers, and vehicles on detailed county-wide street-level maps to create routes, driving directions, and daily schedules for pick-ups, drop-offs, vehicles and drivers, and much more! You can then integrate with Google Earth to visualize your planned routes and related information in rich geographic detail to share with others throughout your district.

START YOUR DAY WITH VITAL INFORMATION

> REMINDERS EVERY MORNING

Routefinder Pro provides built-in reminders to give you advance notice of new students, staff certifications, and vehicles due for expiration.

ENHANCE STUDENT SAFETY

> CURB-SIDE PICKUP AND SAFE STOPS

While our routing algorithm automatically generates a driving path that ensures curb-side pickup, Routefinder Pro goes beyond math to keep your students safe by enabling you to use local knowledge of your area to assign students to the safest stops.

MANAGE YOUR DATA FROM ONE LOCATION

> COMPREHENSIVE MAP INTERFACE

Your map provides the most complete view of your district where you can make the best decisions regarding your students and routes. Access your data and make adjustments based on the knowledge of your community using the most advanced mapping technology and robust imaging.

SELECT AND VIEW MAPPED DATA

> GEOFINDER

Routefinder Pro comes equipped with an innovative Geofinder tool set that enables you to select an area on the map that yields immediate data on all students, schools, alternate sites, and trip stops in that area.

OPTIMIZE YOUR TRIPS

> SEQUENCE OPTIMIZATION

You can select a geographic area or an entire trip to automatically modify stop sequences based on time or distance. You also can generate two alternative ways to run a trip, either by fastest time or shortest distance, to determine which option is best.

In addition, you can select any number of approved stops, or any map points, including students' pick up and drop off locations in a geographic area to create a new trip and automatically sequence it based on optimal time or distance.

You also have the ability to set or default the load time for students based on their grade, your district policy, or assigned disability code.

Incremental savings in travel time or distance may yield significant savings over time without causing community disruption.

IDENTIFY AND CREATE AREAS WITHIN YOUR DISTRICT

> GEOREGIONS

You can create regions that are important to establishing safe stops and trips within your district. Once you establish these in Routefinder Pro, you can create boundaries around hazards such as high accident areas or flood plains. You also can geocode the locations of sex offenders and be alerted to students and stops affected within a given radius of each location.

MANAGE DOCUMENTS
> DOCUMENT CENTER

You can upload, view, or remove any type of file or photo through the Document Center and embed the document into a specific vehicle, driver, trip, stop, or student record.

ENHANCED DATA SECURITY
> ACTIVE DIRECTORY

Manage the security settings for district personnel in Routefinder Pro, and integrate with your Active Directory, so personnel can sign in once to their computers and only access the transportation information they have permission to.

MANAGE STUDENT RIDERSHIP
> ANALYZE ATTENDANCE

Maintain attendance records for your routes in Routefinder Pro, so you can analyze trends in ridership to keep your buses at optimal capacity for efficiency. In addition, forecast future ridership and make adjustments in student trip assignments to eliminate unnecessary use of vehicles.

INTELLIGENTLY ASSIGN STUDENTS
> MANAGE TRIPS AND STOPS

Display route information in a familiar interface resembling Microsoft Excel, so you can easily manipulate your trips and stops.

Also, display only the trips for a specified student based on their transportation requirements in an "excel" grid, and incorporate your map so you have a comprehensive view of your district to make the most informed decisions.

MANAGE FIELD TRIPS
> DISTRICT-WIDE FIELD TRIP SYSTEM

Infofinder *le*, Transfinder's intranet solution, enables district personnel to submit real-time field trip requests quickly and easily, and send email notifications for approvals, proposal schedules, and budget allocations.

ACCESS THE REPORTS YOU NEED
> REPORT LIBRARY

You can now access a comprehensive Report Library which contains a wide variety of customized reports created for our customers by our Support Team at Transfinder. You can preview them and download a selected template into your system and your data will automatically populate the report.

EASILY TIER YOUR ROUTES
> RESOURCE SCHEDULER

Manage your trips in the resource scheduler, so you can see the estimated travel time between trips and easily pair the right ones together. Also, receive a warning notification when you have moved a trip where a vehicle, driver, or aide may not be available.

APPLY OR MODIFY DISTRICT POLICY
> ACTUAL TRIP AND STUDENT DATA COMPARISONS

Comprehensive data enable you to compare actual trip and student transportation information in relation to district policies. For example, you can determine where student transportation deviates from district policies, such as the walk-to-stop policy, or ride time policy. Small modifications in these areas may lead to increased efficiency and lower operating costs.

You also can analyze cumulative attendance on trips, which may yield patterns and trends that may enable you to consolidate trips.

DISCOVER EFFICIENCIES THROUGH ANALYTICS
> USING DATA FOR "WHAT IF" SCENARIOS

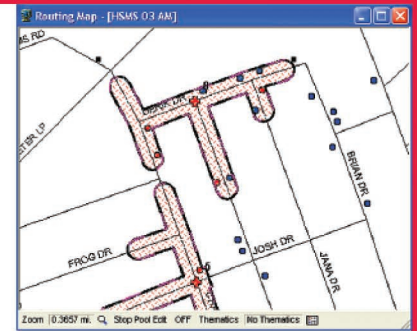
A summary bar incorporated into every grid allows you to automatically view and analyze selected fields or columns of data as a count, average, maximum or minimum assigned, and sum. You also can view and analyze multiple data sources for a comprehensive understanding of your entire operation, which may yield significant savings over time.

MEET THE CHALLENGES OF CHANGE
> REDISTRICTING

You can easily meet the challenges associated with a redistricting plan by using Routefinder Pro to visualize, analyze, and manipulate demographic data and forecast future district enrollment. By creating unlimited "what if" scenarios, you will minimize the effects of change on students, district personnel, and the community.

> SCHOOL BOUNDARIES

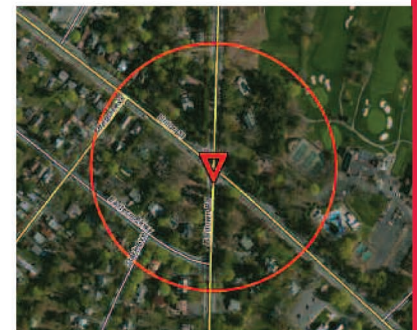
Easily assign students to their School of Residence as new students are added to Routefinder Pro, or as you're planning for the next school year, and advancing students to the next grade or school. Also, easily adjust their assignment to select an alternate school as their school of attendance.



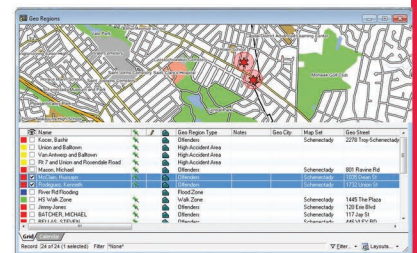
Routefinder Pro allows you to customize walk-to-stop areas for students around a designated safe stop.



Routefinder Pro goes beyond address ranges by incorporating parcel and/or address point data to mark on the map the precise locations where students live.



A GeoRegion and symbol within it can show the location of a hazardous intersection on the map that should be avoided when creating a trip or locating a stop.



Student records viewed in a grid and on the map simultaneously in split view using the Show Map option.

▶ ▶ WHY TRANSFINDER?

For more than 25 years Transfinder has been a national leader in student transportation management systems and services offering routing, redistricting and scheduling solutions for optimal transportation logistics and communications. A business partner of Pitney Bowes Business Insight, Transfinder offers our clients the ability to employ the feature-rich mapping capabilities of MapInfo® to deliver superior transportation and logistics management solutions. Moreover, we listen to our customers, and pride ourselves on our customer-driven products, solutions and service and are committed to our customers' success. Many of the features and capabilities in our software solutions result from our meeting the expressed needs of our customers.

