

GST WebSDS- Busing System ©

For Routes/Stops Analysis, Fee Collection, Bus Passes, Reports



GST WebSDS-Busing System (GST Web SchoolDataSearch (SDS)—v 3.0)

GST WebSDS© - Busing System is an easy to use Web-accessible Interface that **does not require extensive training or a GIS Certificate to use**. Most of the work is done “behind-the-scenes” by a complex GIS pre-processor and stored within the GST WebSDS© Database. Student data is blended together with your transportation data, along with comprehensive GST GIS GeoSense© Data for geographic (street network and addressing, school district and attendance boundaries), spatial attributes, and statistical information. The interface allows you to interact with your pre-processed and/or Live Student Data for busing related functions and/or analysis. The interface includes four (4) modules: *Students by Route/Stop*, *Setup Busing Fees*, *Collect Bus Fees*, and *Reports*.

Students by Routes/Stops Analysis allows you to examine your district generated route and stop assignments, including how far students are from assigned school/stop; route and stop capacity limits. This module also allows you to analyze proposed stops based upon student clusters, eligibility criteria/district policies, and applicable geographic constraints that may affect routing.

Setup and Collect Transportation Fees allows you to define your Bus Fee Schedule and any other related charges for transportation. A built-in GST pre-processor geo-codes student records to validate student addressing; analyze busing eligibility, route and stop capacities, calculate distances to stop(s) and school, and identify the closest stops for each student. You can then collect bus fees, issue bus passes, and issue payment receipts.

Reports allows you to generate daily, weekly, and/or monthly payment logs. Other pre-built reports are available, such as determining if any outstanding fees have not been paid.

GST WebSDS© - Busing System related services include the following:

- Allows you to examine District generated Routes/Stops or GST Proposed/Suggested Stop Assignments (based upon student clusters and related eligibility criteria)
- Builds in your Bus Fee Schedules and other related charges for collecting fees
- **Automatically** updates student records to:
 - ◆ Verifies School of Attendance and School of Residence Match
 - ◆ Calculates home-to-school/ and stop distances
 - ◆ Analyzes district Eligibility Criteria and route/stop Capacity Limits
 - ◆ Calculates and locates the closest Pickup/Drop-off stop(s) for students
 - ◆ Groups students together as “Family Units” based upon address (allows you to make real-time updates/corrections)
 - ◆ Interfaces LIVE with common district Student System(s) to validate student information is current/accurate
- Allows you to make a Family Payment (also handles partial payments)
- Issues a Payment Receipt (including partial payments—records payment due dates)
- Issues a Bus Pass
- Generates Daily, Weekly, and Monthly Payment Logs and other related reports
- Helps keep your Student System Healthy



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