



# StudentTran

A GIS School Bus Planning System

EnGraph Software

11323 Strang Line Rd.  
Lenexa, KS 66215  
913-491-3343  
[www.engraph.com](http://www.engraph.com)

StudentTran manages all students, bus stops, and school bus routes using a powerful Geographic Information System (GIS). The system automatically assigns students to the nearest bus stop and generates bus routes and stop times generated by our routing engine.

## OFFICE STAFF can...

- add new students to the map by their address.
- adjust bus stop locations and route orders.
- find the best route available for service.

## MANAGERS can...

- analyze bus routes for multiple schools.
- view/adjust stop times and optimize operations.
- consolidate bus stop locations.

The screenshot displays the StudentTran software interface. On the left, the 'Student Manager (AM Stop Table)' window shows 'Current Student Information' for Student ID 55558, Joey Capers, with address 1245 West Apt. 512, Lawrence, KS 66045. Below this is a 'Student Table List' with columns for Student ID, Name, and School. A 'StudentTran' toolbar is visible at the bottom left of the map area.

The central window is 'MapInfo Professional - [KSDOUGin,studentTable,....,KSDOUGcb Map]'. It shows a map with bus routes (red arrows) and bus stops (colored circles). A 'Theme Legend of KSDOUGin,stud...' window is open, showing categories: STUDENTS I (Walkers, Unassigned: Distance, Unassigned: User, Unassigned: Barriers, Assigned: Stop 1, all others), STOPS (By Count) (0, 1, 2), and SCHOOLS (AVC003, CEN002, DEV001).

The 'System Mapper' dialog box is open, allowing users to 'Select a school' (AVC003, CEN002, DEV001) and 'Thematic Shading Options'. The 'Display' section has checkboxes for Students, Stops, Schools, Barriers, and Streets. The 'Thematic Shading Options' section has checkboxes for Walkers, Assigned Students, Unassigned Students Due To Barriers, Unassigned Students Due To Distance, Unassigned Students By User, Students At Stop ID#, and Stop Shading... (set to 'By Count'). A 'Pick Radius' of 200 feet is shown. At the bottom, there are buttons for 'New Objects' (Students, Stops, Routes) and 'Labels On' / 'Show Routes' checkboxes.

Manage your student data

StudentTran Operations View

Customize how the map view looks

## The EnGraph Difference...

With StudentTran, our clients have optimized their services and removed over 50 school bus routes saving taxpayers over \$200,000,000 a year.

Kyle Archer  
Sales Manager  
816-665-3343  
[karcher@engraph.com](mailto:karcher@engraph.com)  
[www.engraph.com](http://www.engraph.com)



Est. 1987