

Introduction to TIMS eSQL for New Users

TIMS New Users: Course Outline

The goal for the new users class is simple. At the end of the 3 days you should be able to navigate the various screens and pages within TIMS and perform the most common tasks within the system.

- Creating new stops or using existing bus stops to assign students.
- Creating New Stops and Assigning, Deassigning stops from AM and PM Bus Runs.
- Printing typical TIMS Reports available in your district.

TIMS New Users: Course Outline

- North Carolina TIMS – History & Overview of Statewide System
- TIMS Main Map
- TIMS Bus Routing Terms and Concepts
- Understanding Student Data & Assigning Students
- Understanding Bus Stops & Working with Stops
- Understanding AM/PM Bus Runs and Working with Runs
- Working with Students, Stops and Runs on Main Map
- Understanding Routes and Managing the Route Timeline

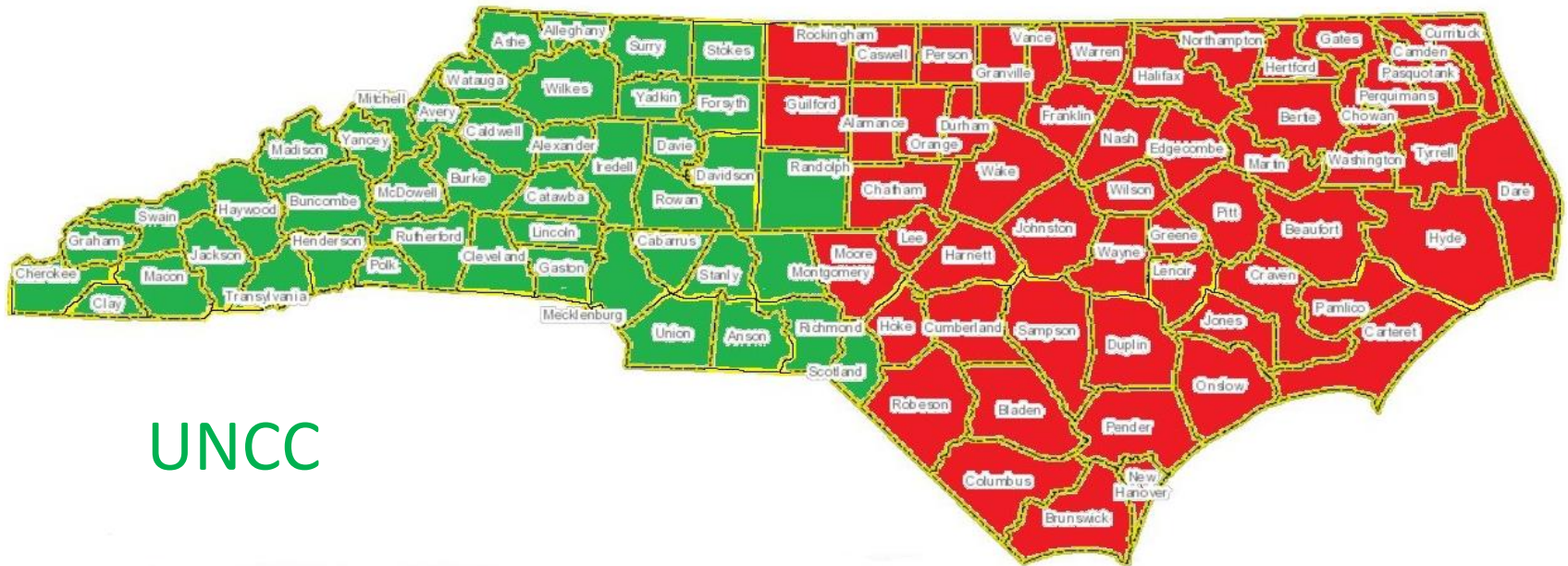
TIMS New Users: Course Outline

- TIMS Reports Module
- TIMS Backups and Data Copies
- Maintenance and Student Uploads
- Troubleshooting eSQL Connectivity
- Other Features of TIMS eSQL – time permitting
 - Advanced Searches
 - Student Tallies, Data Exports and Printing Maps
 - Reversing Runs and Echoing Stops
 - Additional TIMS Classes

History of TIMS and Overview of Statewide System

TIMS Support Offices

NCSTATE – ITRE

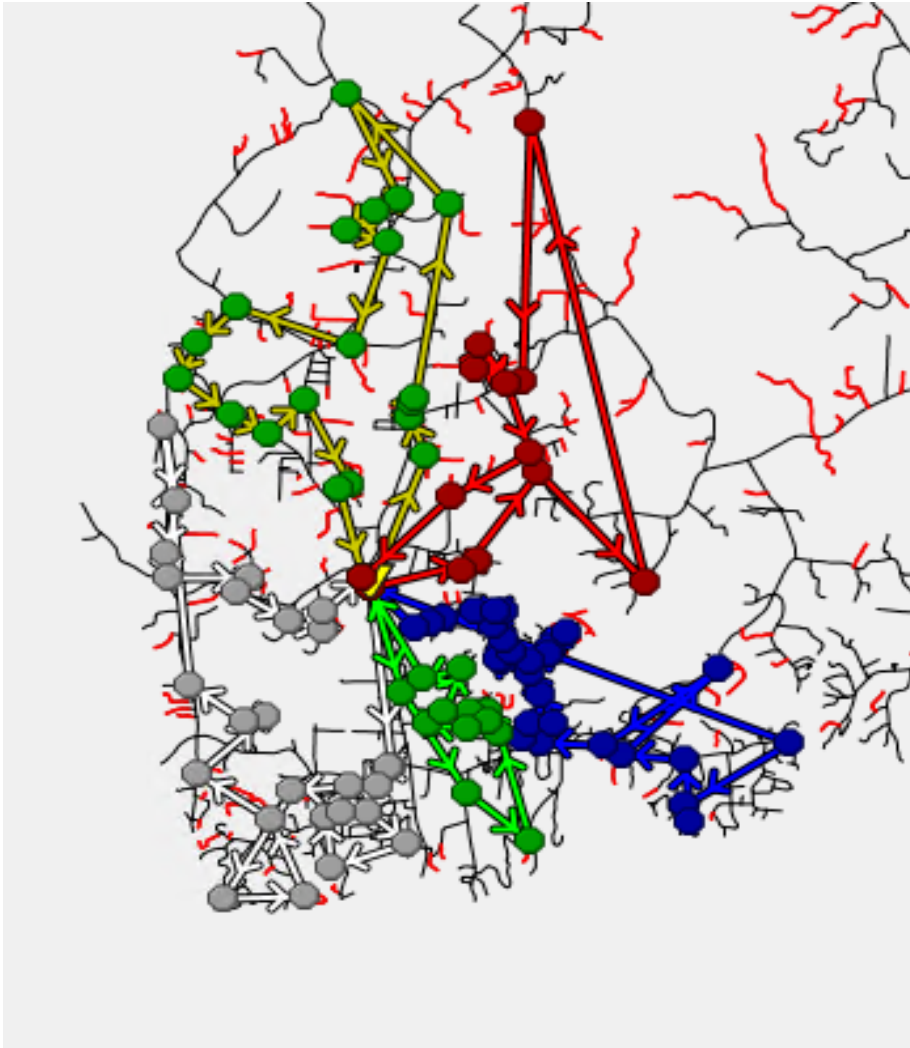


UNCC

2019 – TIMS NC Totals

- Buses – 12,753
- TIMS Riders – 913,699
- TIMS Miles – 1,051,069
- Statewide Service Indicators

Fundamentals of Routing



When routing you should route buses in a pie shape so they do not overlap. Picking up students who live the furthest from school first. (If possible)

This pattern can vary based on school boundary and other factors as well.

Fundamentals of Routing & Local Policies

1. Right hand pickups when safety is a factor
2. Travelable Subdivisions\Roads
3. Hazardous Roads (right hand pickup)
4. Ages of Students who can travel together.
5. What grade students have to be in without an adult present
6. State Guideline and Local Policies
7. NCBusSafety.org

eSQL – The Main Map

The screenshot displays the eSQL software interface. The main window shows a map of a region with a network of red lines representing routes. The interface includes a menu bar at the top with options: File, Map, Students, Stops, Runs, Routes, Schools, Contacts, Tools, Window, and Help. Below the menu bar is a toolbar with various icons for map navigation and data manipulation. On the left side, there is a sidebar with a 'Load Data' tab selected. This tab contains several data loading options, each with a 'Go' button:

- Unassigned Student Trips
- Student Trips on Inactive Stops
- New Students
- Unmatched Students
- Inactive Stops
- Stops With Zero Loads
- Infeasible Runs
- Runs Outside of Bell Time Windows
- Runs Not On A Route
- Unprocessed Run Directions

Below these options, there is a section titled 'Searches Without School/Bell Time Filter' with two more options:

- Students with Invalid School/Grade/Program
- Stops Within Hazard Zones

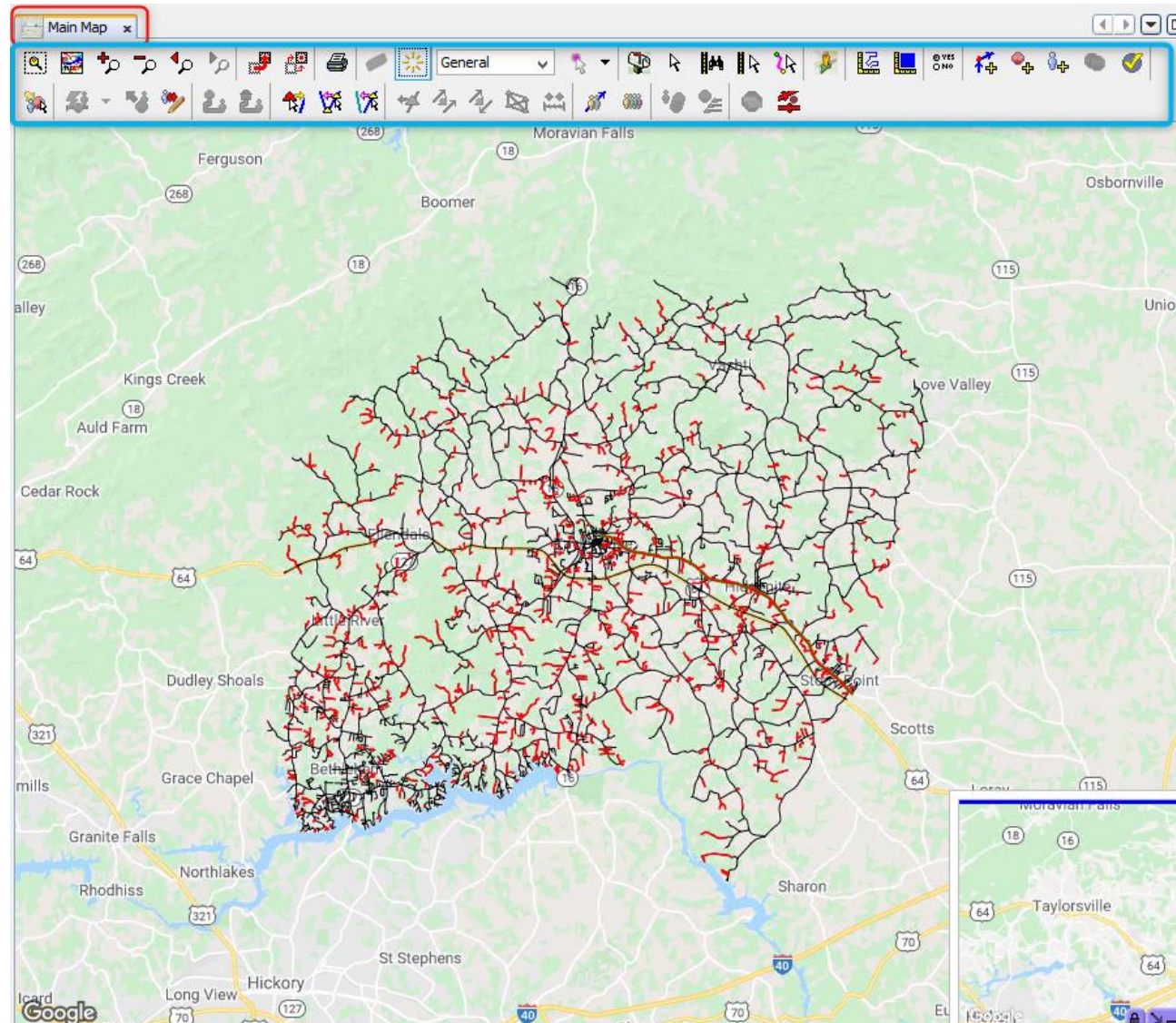
The main map area shows a network of red lines (routes) overlaid on a green background (land). The map includes labels for various locations such as Ferguson, Moravian Falls, Boomer, Osbornville, Union, Love Valley, Kings Creek, Auld Farm, Cedar Rock, Dudley Shoals, Grace Chapel, Northlakes, Sharon, St Stephens, Hickory, Long View, and El. The map also shows major roads like US-64, US-115, and US-70. At the bottom of the map, there is a status bar with coordinates (x: 1272655.62 y: 805696.58), map width (34.58 mi.), and scale (273281.91). On the right side, there is a 'Properties' panel with a 'No Items Selected' message.

eSQL Main Map

eSQL

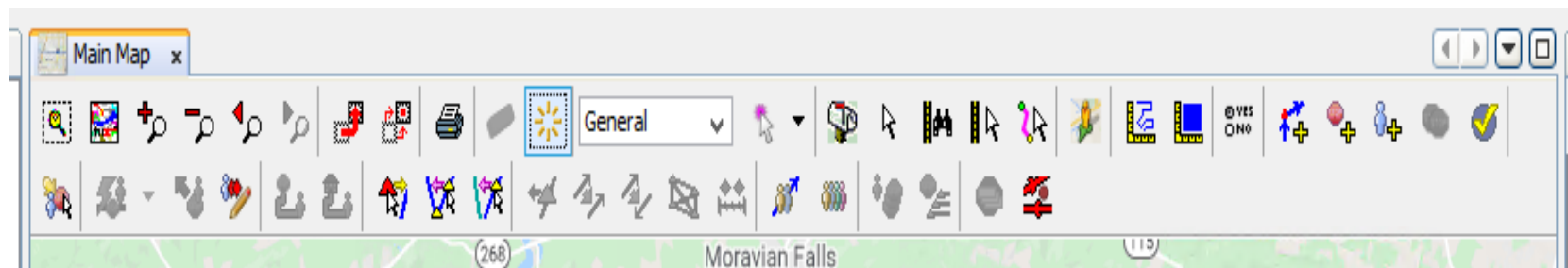
With eSQL you have different ways you can assign stops to a student a run or route. You have the option of using tabular or graphically.

eSQL – The Main Map

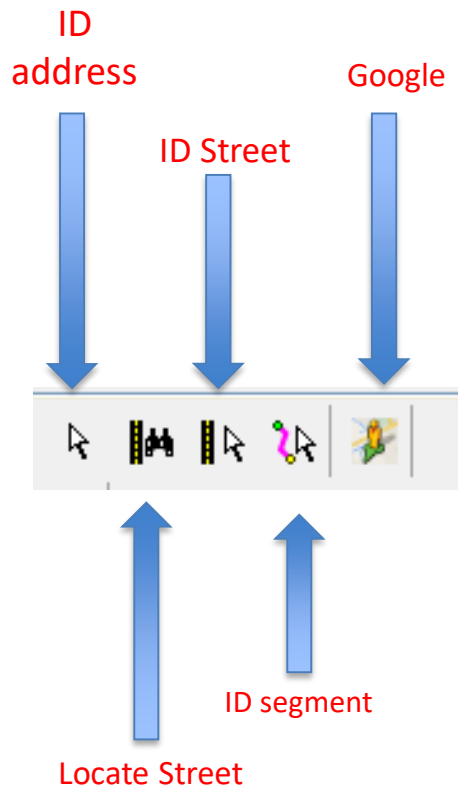


eSQL – The Main Map

Main Map tool bar

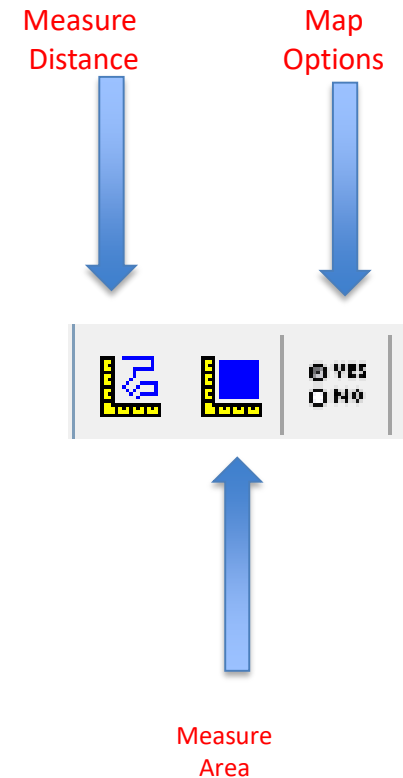


eSQL – The Main Map

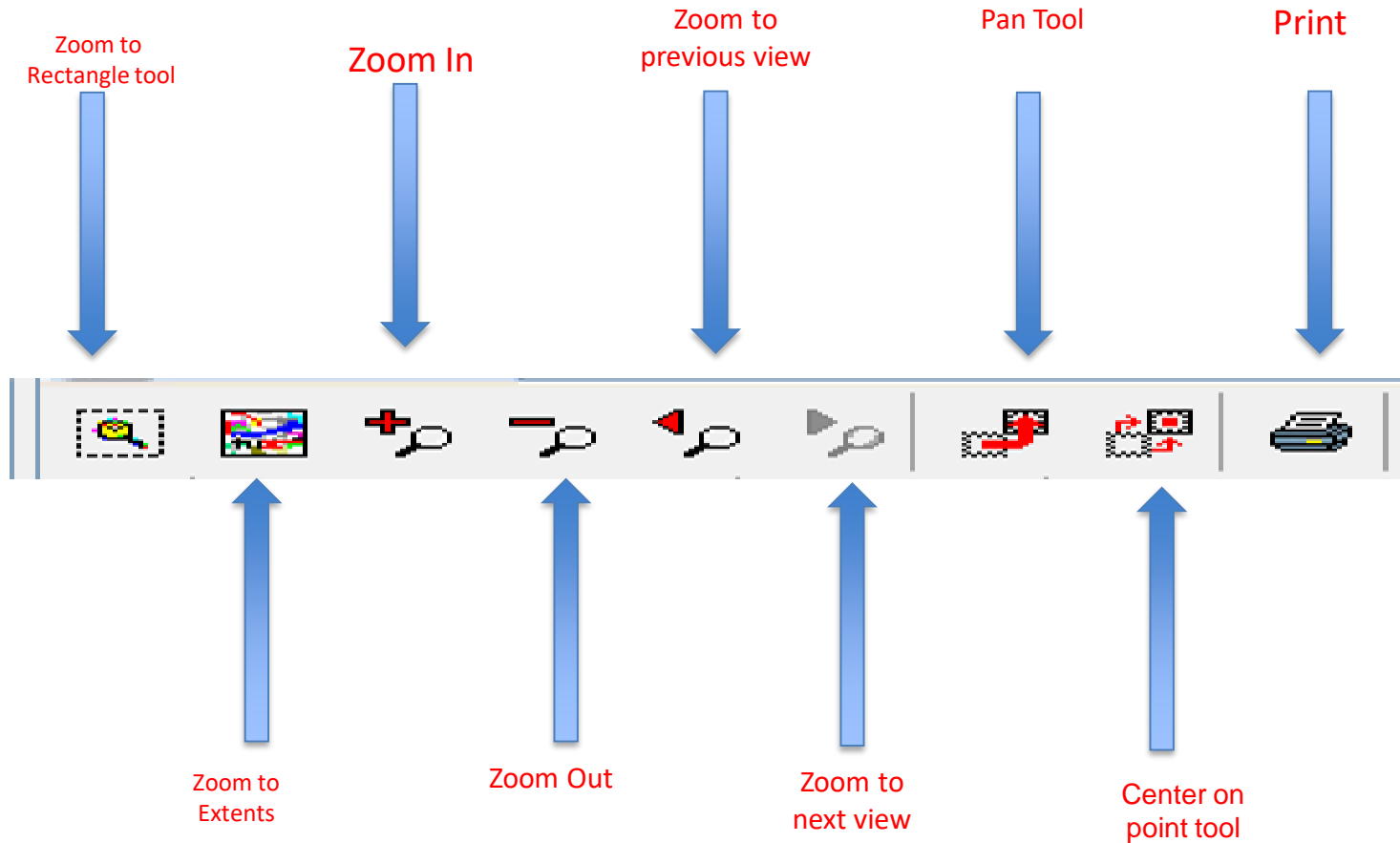


If you look at the legend you will find detailed information about the map.

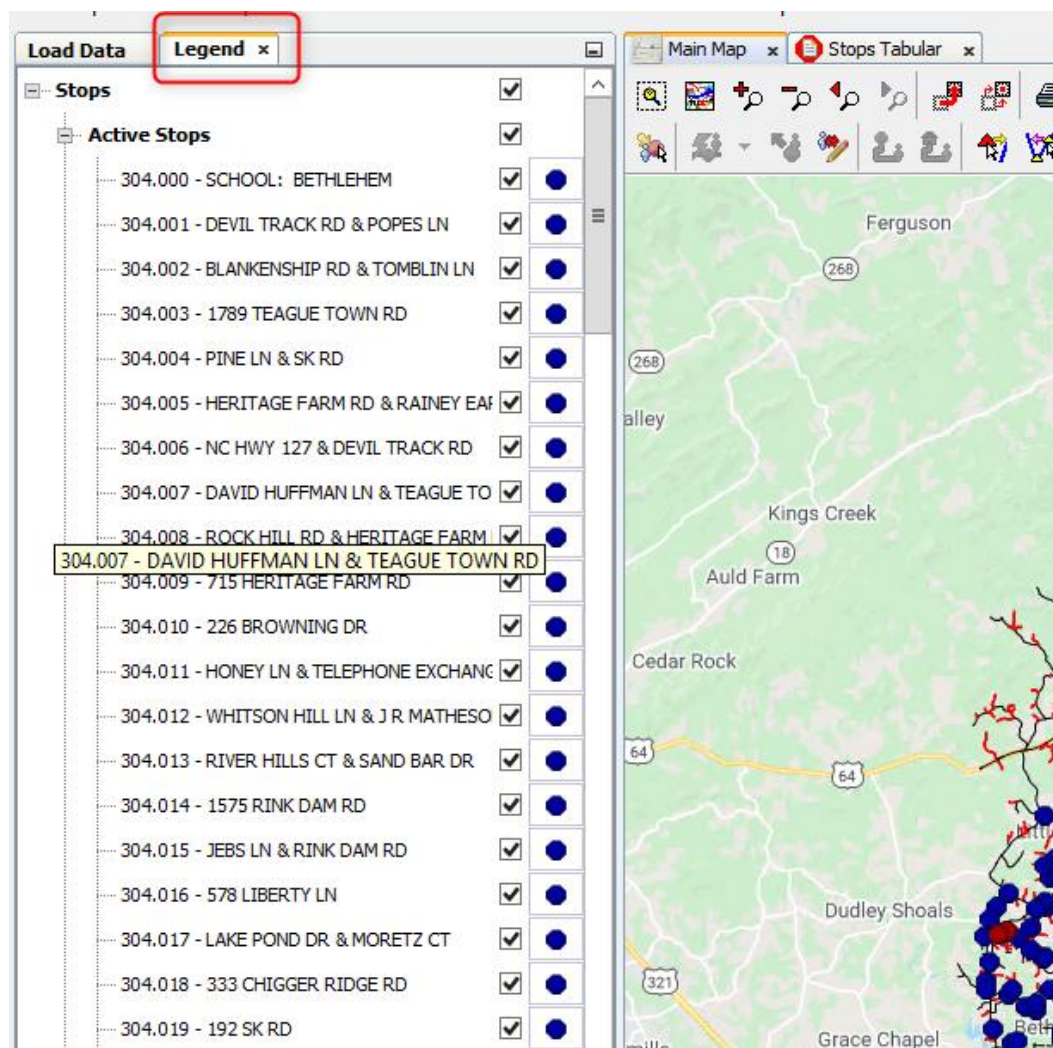
Right click on the item.



eSQL – The Main Map



eSQL – The Main Map



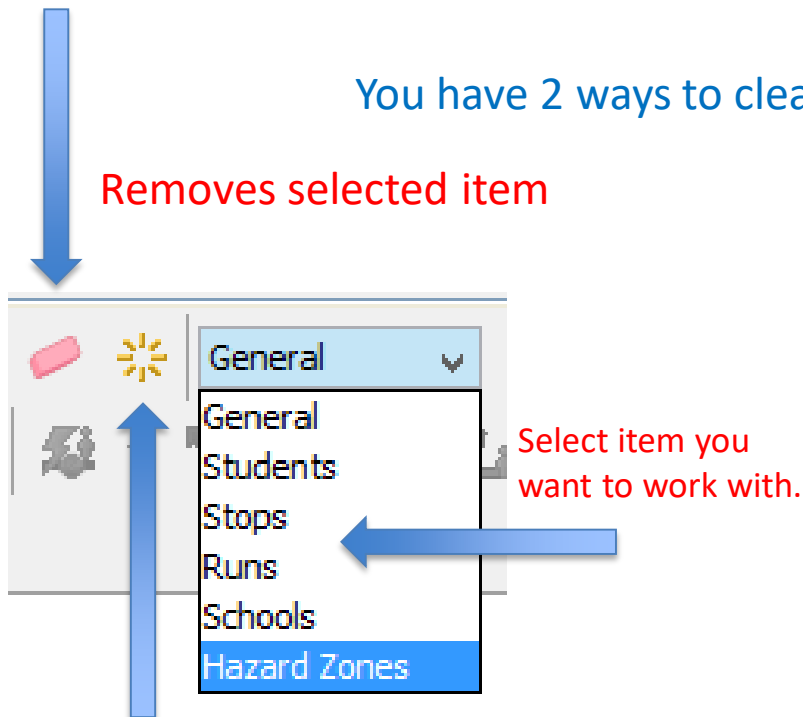
- Displays information that you display on your main map.

eSQL – The Main Map

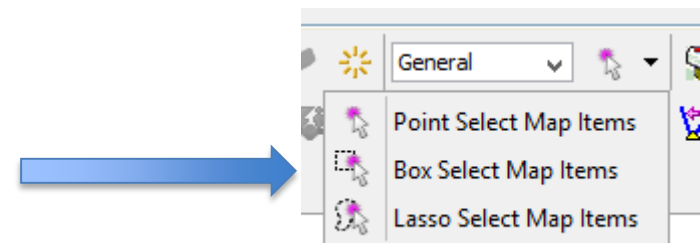
Now that you have data on your screen lets test out the General Tab.
This will allow what information you want to take a closer look at.

You have 2 ways to clear the data on your screen.

Removes selected item



Clears map
Walmart

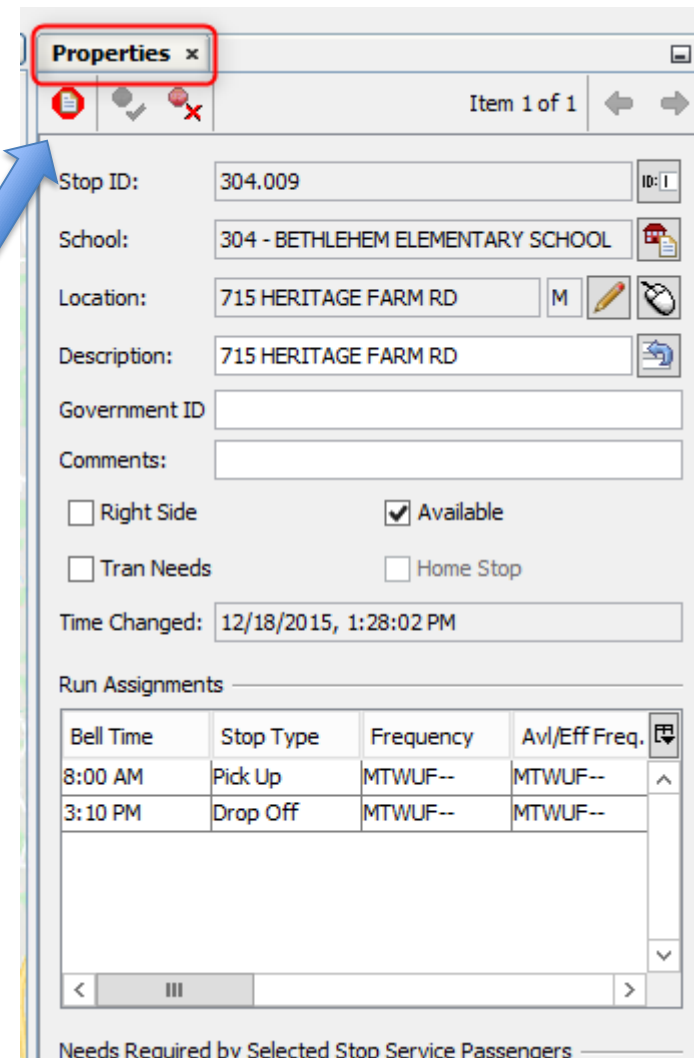


How you will select items.

eSQL – The Main Map

Properties –
Displays detail
information about
stops, runs, students
and routes that you
have displayed on the
main map.

You also have a quick
link back to the
Tabular screen.



Properties x

Item 1 of 1

Stop ID: 304.009

School: 304 - BETHLEHEM ELEMENTARY SCHOOL

Location: 715 HERITAGE FARM RD M

Description: 715 HERITAGE FARM RD

Government ID

Comments:

☐ Right Side ☒ Available

☐ Tran Needs ☐ Home Stop

Time Changed: 12/18/2015, 1:28:02 PM










Run Assignments



Bell Time	Stop Type	Frequency	Avl/Eff Freq.
8:00 AM	Pick Up	MTWUF--	MTWUF--
3:10 PM	Drop Off	MTWUF--	MTWUF--

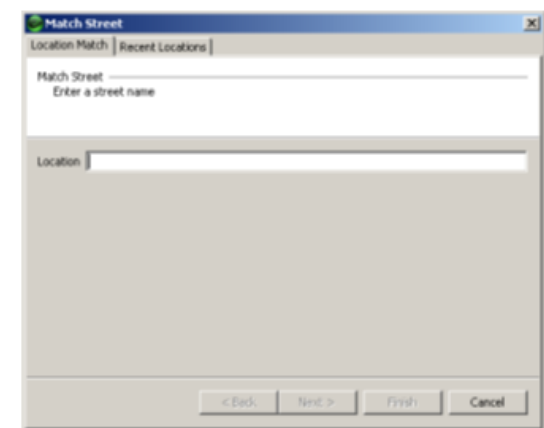
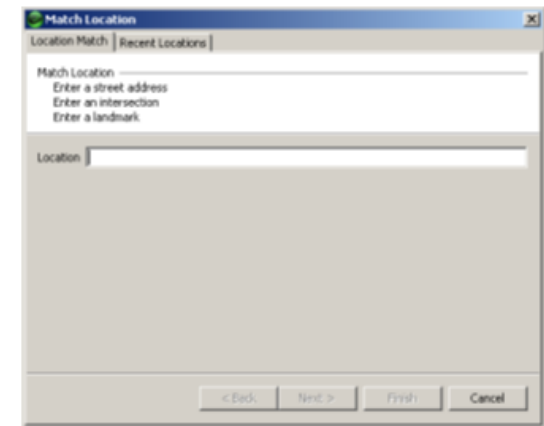
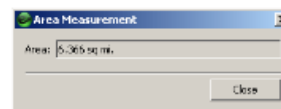
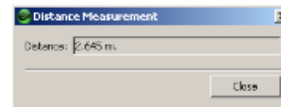
Needs Required by Selected Stop Service Passengers

eSQL – The Main Map

Map Tools, Locate Tools, Identify Tools & Measurement Tools in eSQL

-  Zoom to Rectangle
-  Zoom In
-  Zoom Out
-  Pan
-  Center on Point
-  Zoom to Previous View
-  Zoom to Next View
-  Zoom Out to Full Map
-  Edit Google Background and Autostreet Layers

-  ID Address
-  ID Street
-  Locate Address
-  Locate Street
-  Measure Distance
-  Measure Area



eSQL – The Main Map

Main Map Icons for Working with Data Graphically



Create New Run tool – see “Creating Runs” on page 127.



Create New Stop tool – see “Creating Stops” on page 99.



Create New Student tool – see “Creating Student Records” on page 58.



Clone Selected Stops tool – see “Copying Stops to Other Schools” on page 188.



Create New Checkpoint tool – see “Inserting Checkpoints on Runs” on page 138.



Assign Student to Stop tool – see “Graphically Assigning Trips to Stops” on page 85.



Quick Assign Selected Students tool – see “Quick Assigning Trips” on page 78.



Deassign Selected Students tool – see “Deassigning Trips from Stops” on page 85.



Edit Student Trips tool – see “Modifying Trip Locations” on page 75 and “Deleting Trips” on page 77.



Load/Display Student Walkpath to Stop tool – see “Graphically Assigning Trips to Stops” on page 85.



Load/Display Student Walkpath to School tool – see “Graphically Assigning Trips to Stops” on page 85.



Insert Stop on Run tool – see “Inserting Services on Runs” on page 114.



Move Stop on Run tool – see “Changing Stop Positions on Runs” on page 138.



Freeform Stop on Run tool – allows you to modify stop assignments to runs by dragging and dropping.



Deassign Selected Stops tool – see “Removing Stops from Runs” on page 137.



Copy Selected Runs tool – see “Copying Runs” on page 130.



Reverse Selected Runs tool – see “Reversing Runs” on page 132.



Resequence Selected Runs tool – see “Changing Run Sequences” on page 134.



Edit Stop Times on Run tool – see “Modifying Stop Times” on page 147.



Select and View Passenger List tool – see “Viewing Passenger Lists” on page 168.



Select and Edit Head Count tool – see “Entering Head Count Loads” on page 112.



Load Stops for Students tool – allows you to load the available stops for the selected students.



Load Runs for Stops tool – allows you to load the available runs for the selected stop.

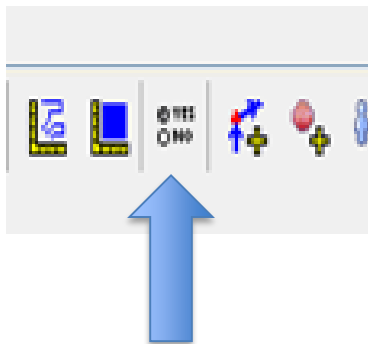


Load Closest Stops for Students tool – see “Graphically Assigning Trips to Stops” on page 85.



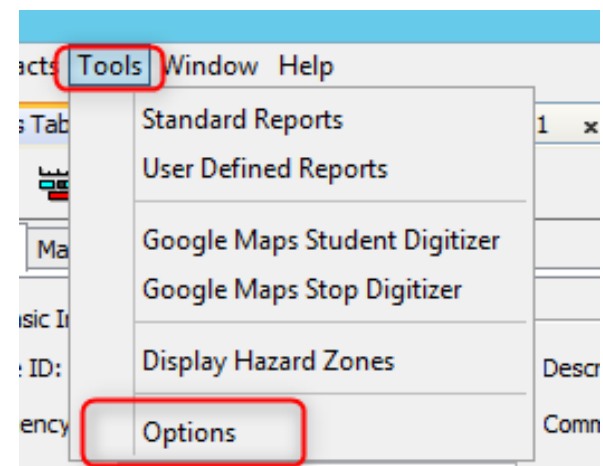
Best Fit Stop on Run tool – see “Finding the Best Run Assignments” on page 118.

eSQL – The Main Map – Map View

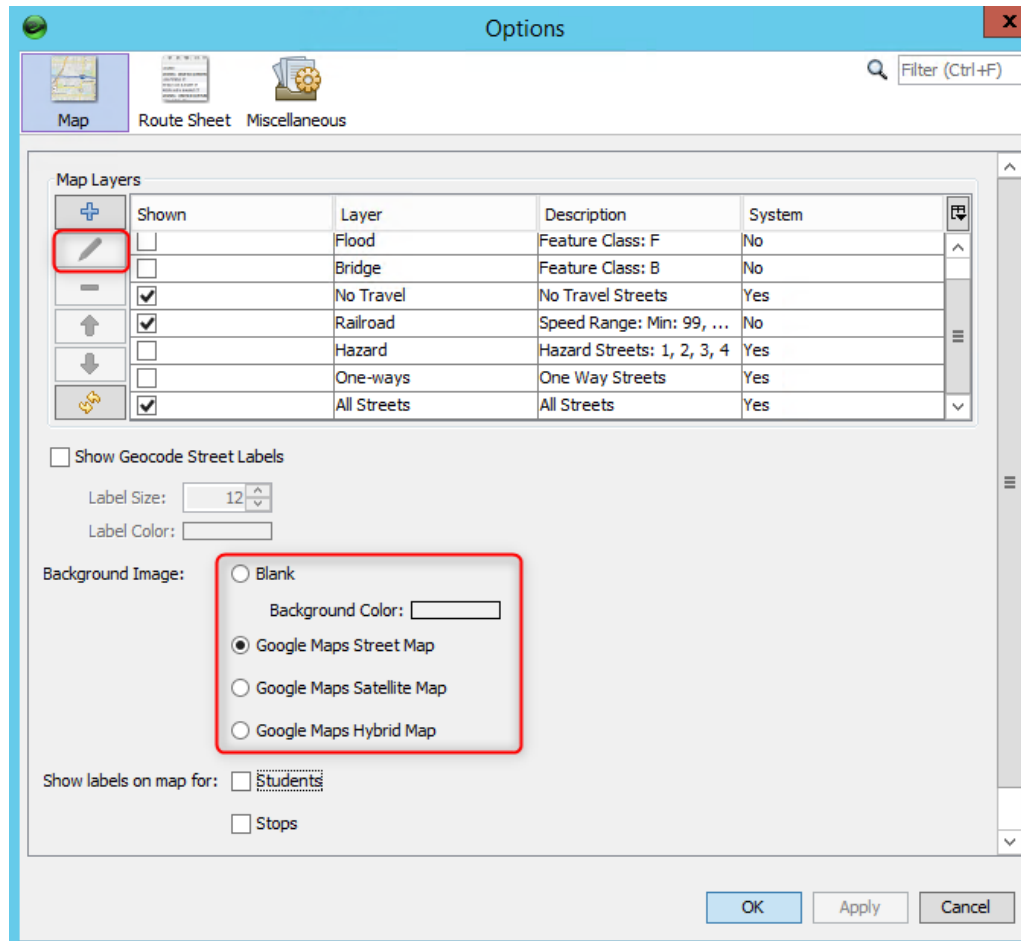


You can change the view of your map 2 ways.

1. Is using the Yes/No Icon
2. Tools - Options

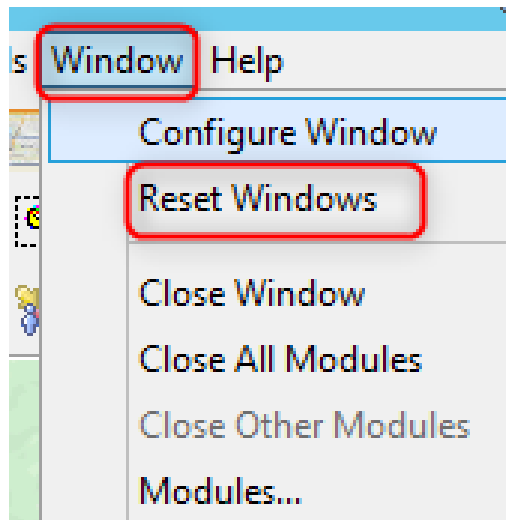


eSQL – Map Options



If you can't see your no Travel Roads you may need to move the sequence up on your map layers. The layers are displayed from top to bottom.

eSQL – Map Options



To reset the map to it's original setting on the Main Map view page..

eSQL – Map Options

For satellite view I recommend turning your roads to white. This will allow you to see them with the green background.



eSQL – Maps & Google Maps



To access google maps
click on the google man
icon and drag to the area
of the map you would like
to see.

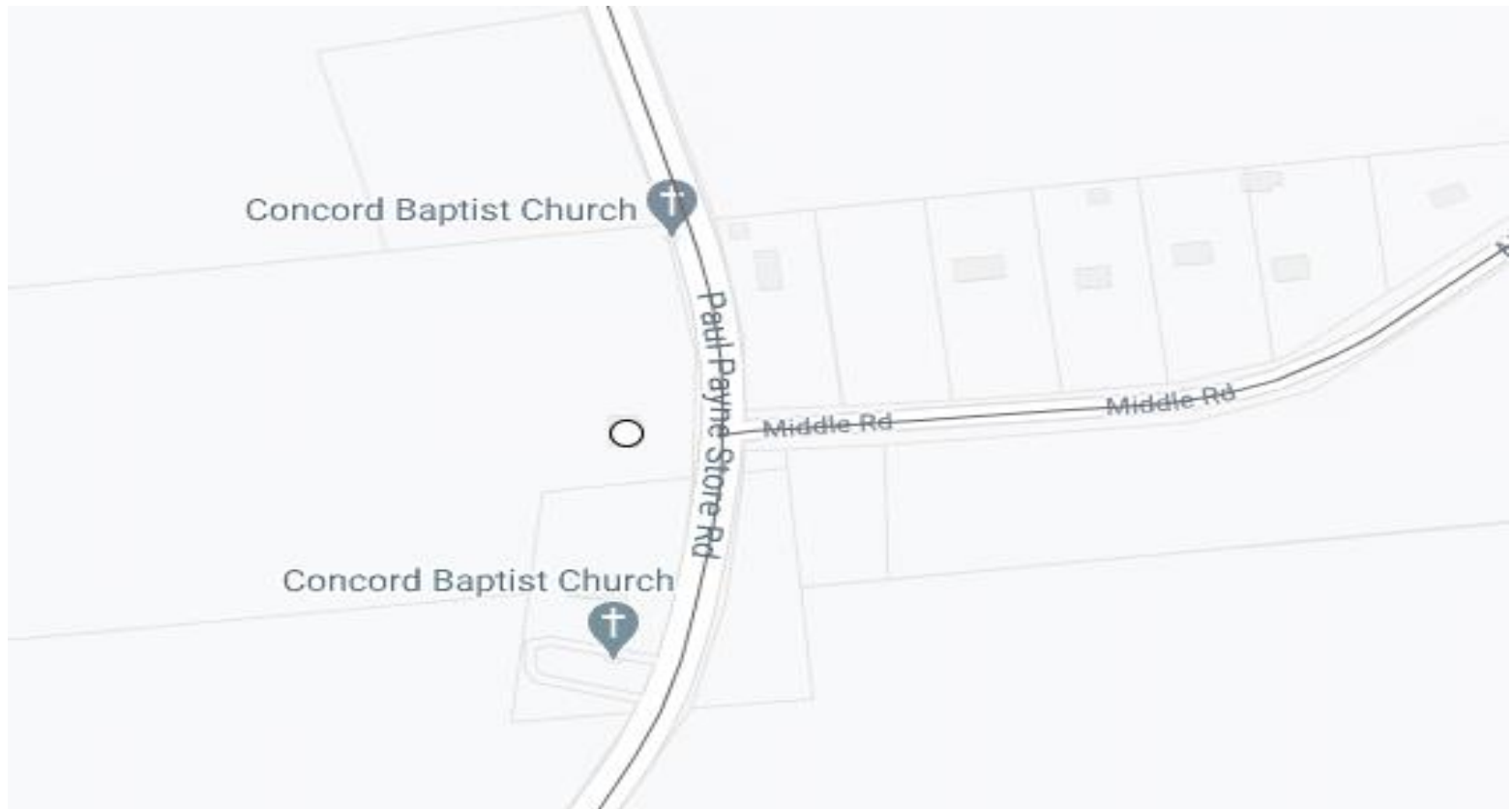
eSQL – Maps & Google Maps

If Google maps is not working try and use FireFox or Chrome. You may need to use a different browser.



eSQL – Maps & Google Maps

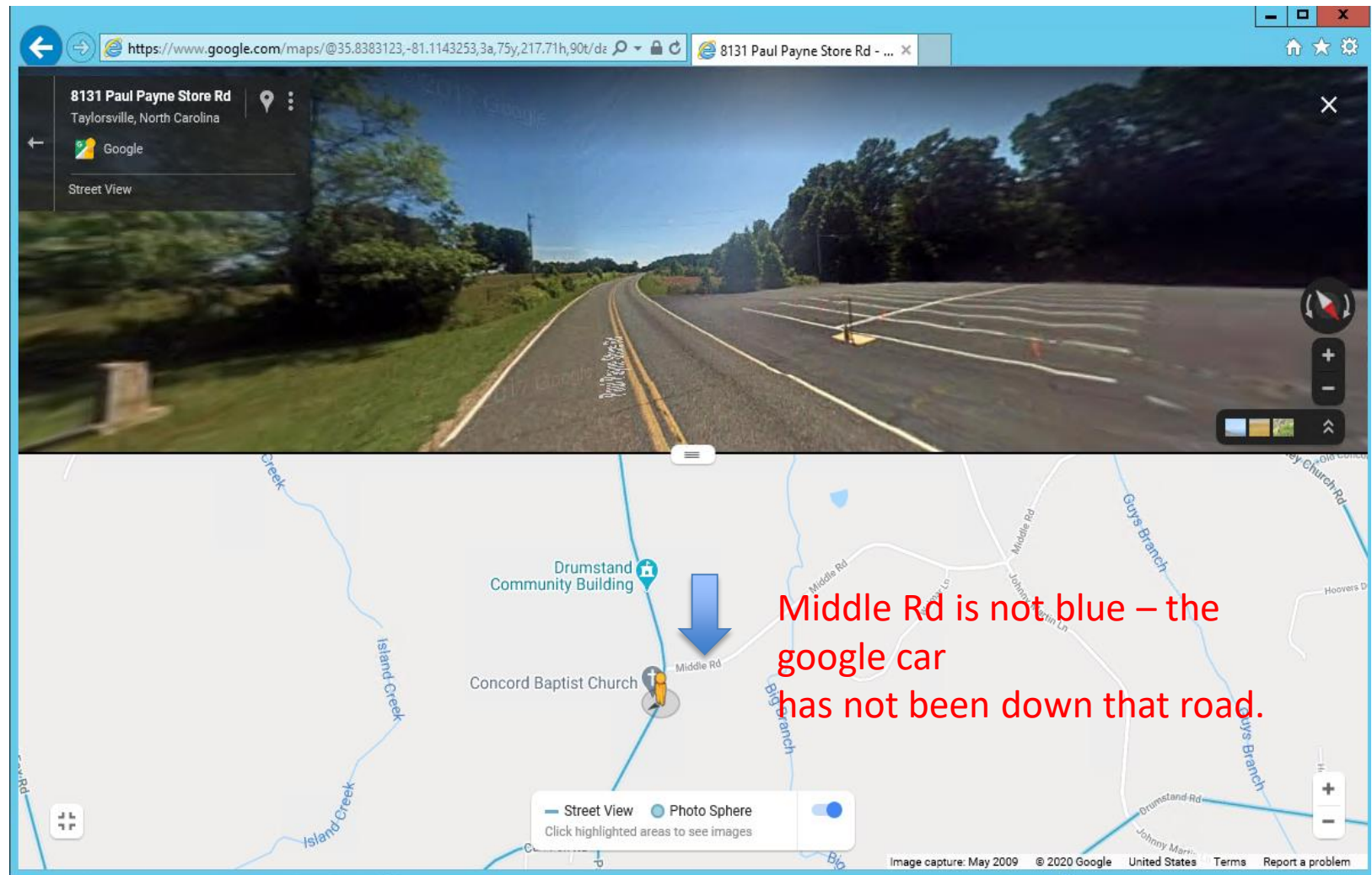
Look for Paul Payne Store Rd and Middle Rd.



eSQL – Maps & Google Maps

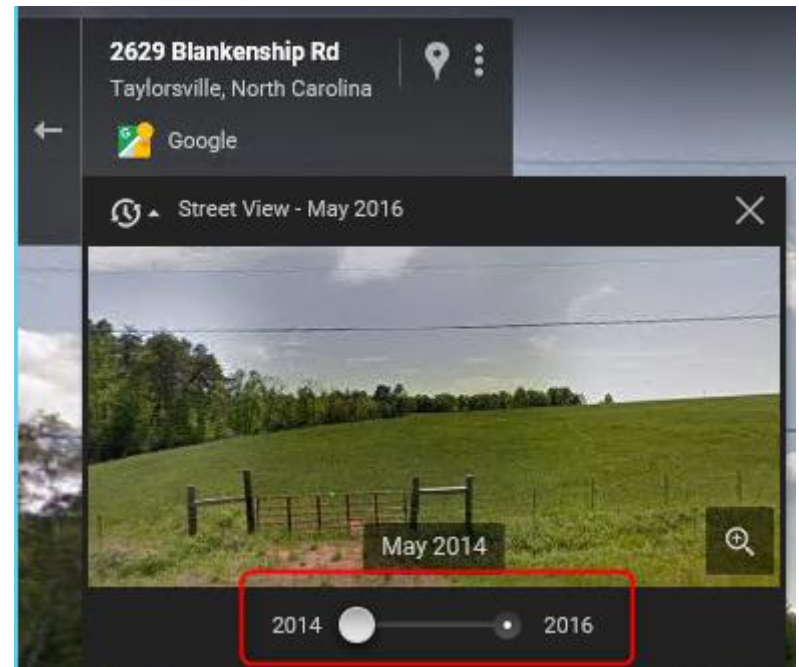
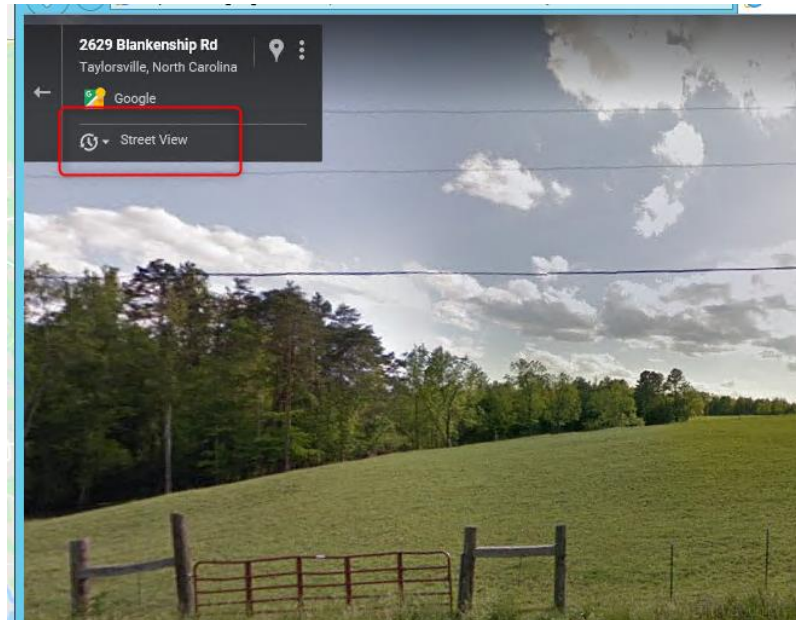
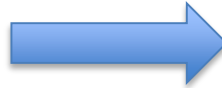


eSQL – Maps & Google Maps



eSQL – Maps & Google Maps

2561 Blankenship Rd

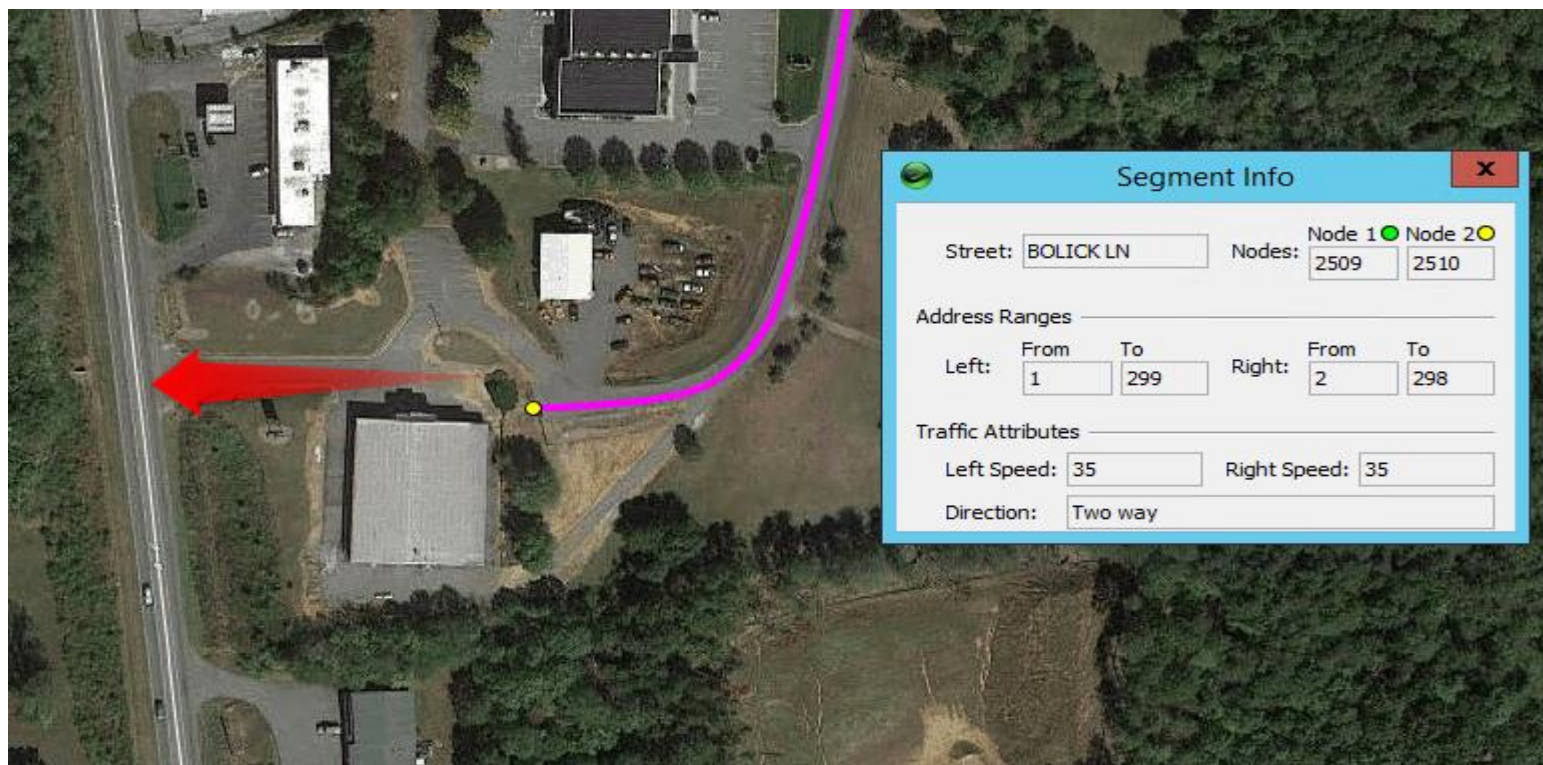


You can view street from different dates. Zoom in on **2561 Blankenship Rd** and let me know what is different from 2014 – 2016.

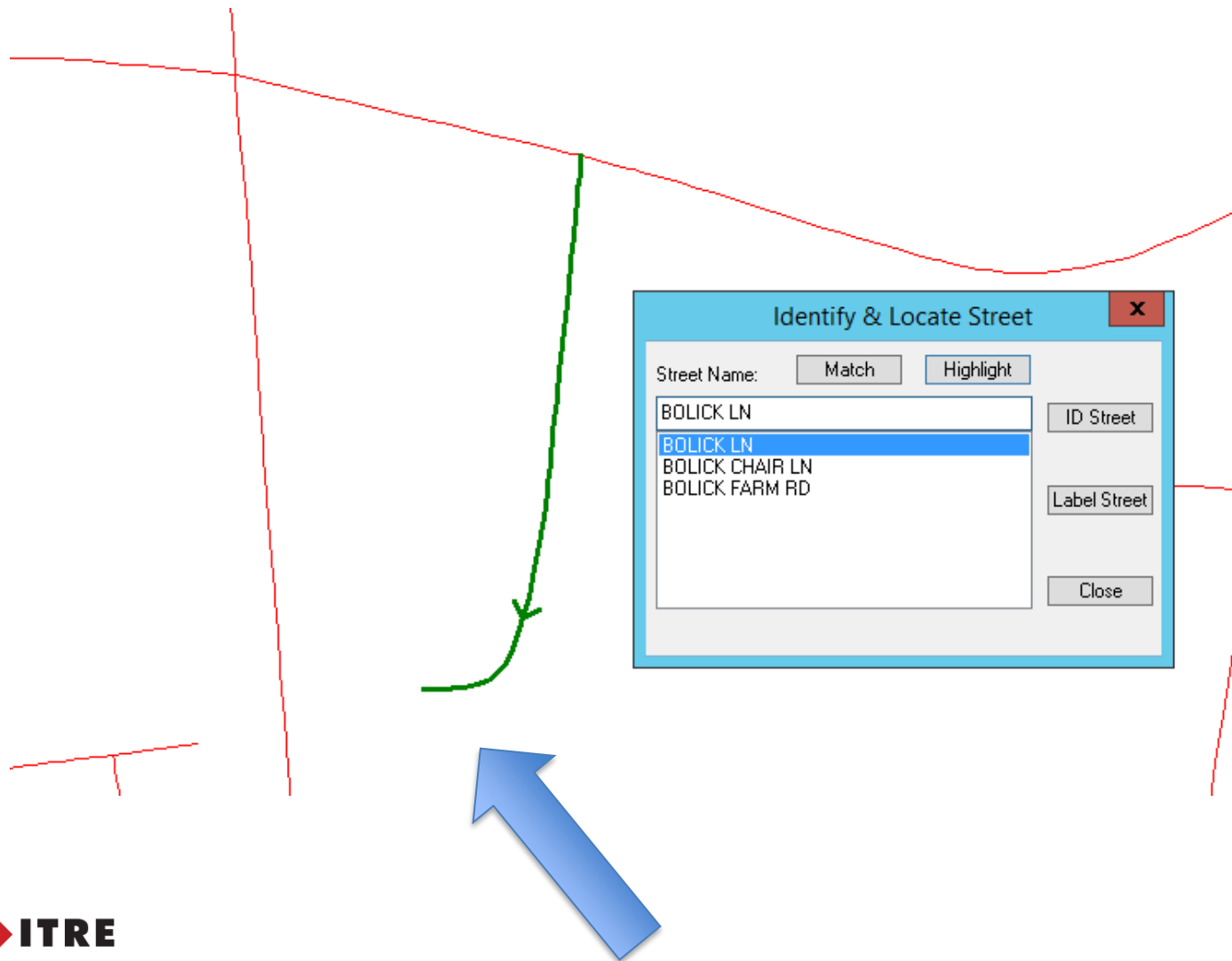
eSQL – Maps & Google Maps

Google maps can be used with Maris to line up new streets.

The road below is not complete and if you look in Maris you will see the road stops short. My guess is, they built the store and finished building the road at a later date.

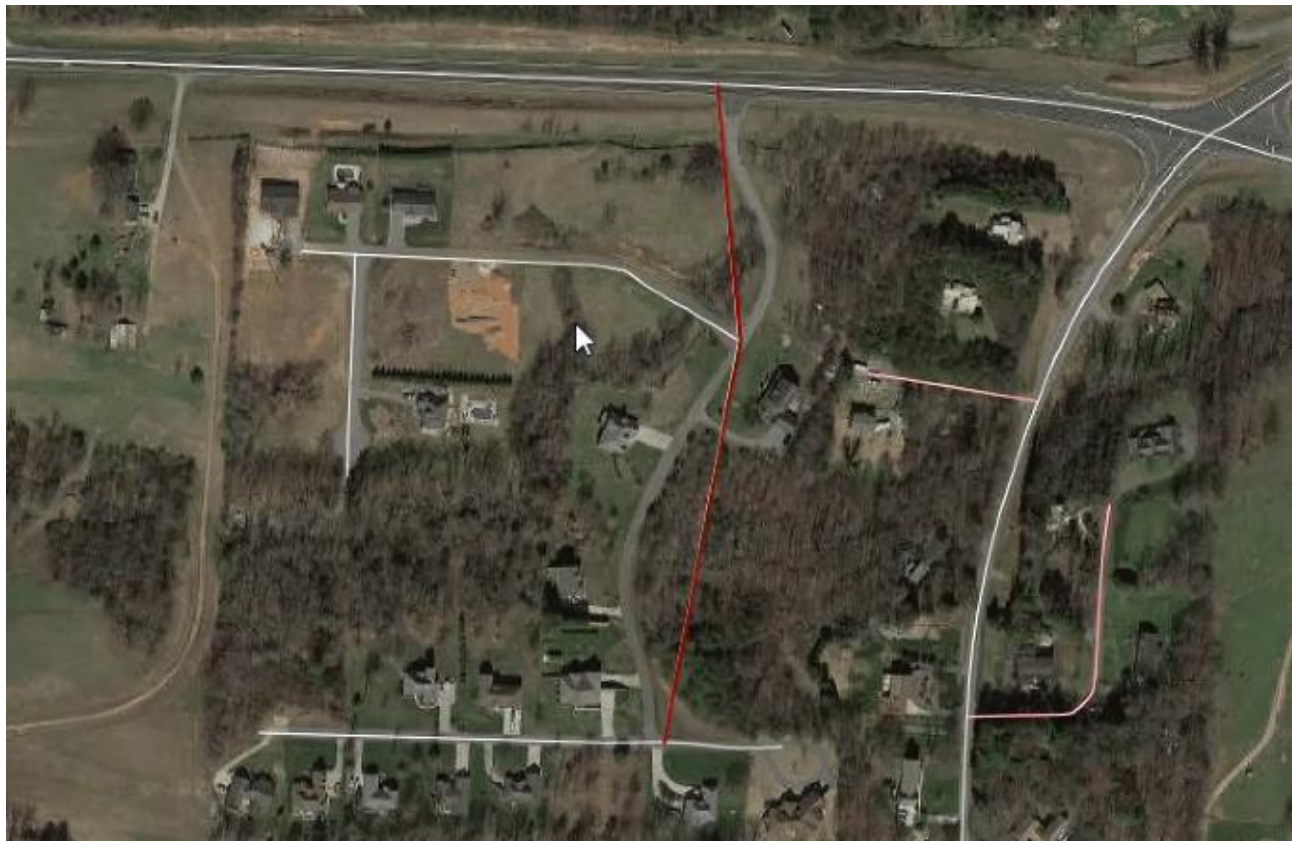


Maris View



Google vs. Maris View

Maris issues like this could impact your times with Here comes the Bus and Synovia. We teach more on this with Maris 3. You must be Maris certified to take Maris 3. You can see the road was not drawn it correctly.

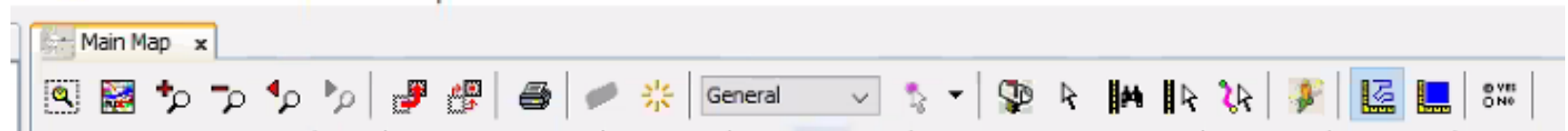


eSQL – Maps & Google Maps

Please note you will not be able to access any Military bases etc. on Google maps for security reasons.

eSQL – Maps Icons

Review Map Icons



eSQL – The Main Map

The screenshot shows a web application window titled "Load Data" with a "Legend" tab. It features two filter fields at the top: "School:" with a dropdown menu set to "All Schools" and a calendar icon, and "Bell Time:" with a dropdown menu set to "All Bell Times". Below these are several report categories, each with a "Go" button:

- Unassigned Student Trips** (with a plus icon)
- Student Trips on Inactive Stops**
- New Students** (with a plus icon)
- Unmatched Students**
- Inactive Stops** (with a plus icon)
- Stops With Zero Loads** (with a plus icon)
- Infeasible Runs** (with a plus icon)
- Runs Outside of Bell Time Windows**
- Runs Not On A Route**
- Unprocessed Run Directions**

Below these is a section titled "Searches Without School/Bell Time Filter" containing two more reports, each with a "Go" button:

- Students with Invalid School/Grade/Program**
- Stops Within Hazard Zones**

Main Menu –
Common reports
that you can
search.

Go ahead and
select a few
reports and see
what happens.

Understanding Students and Working with Student Data

eSQL - Students

There are 3 ways to assign stops in eSQL.

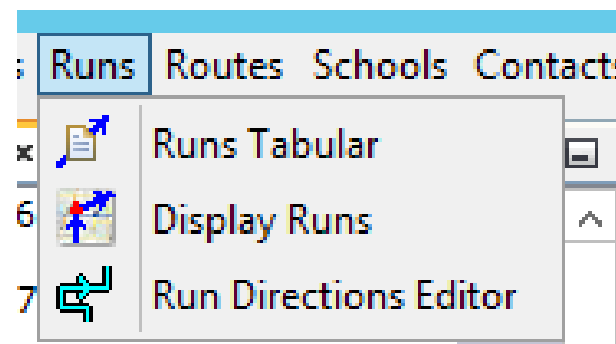
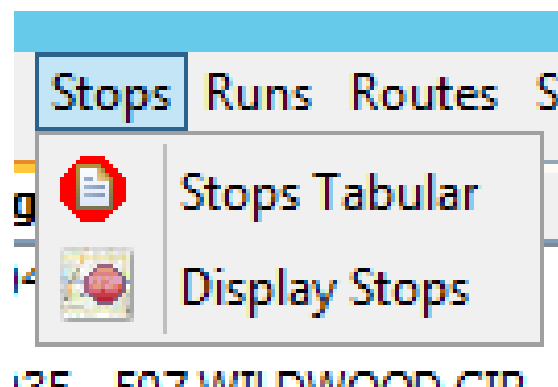
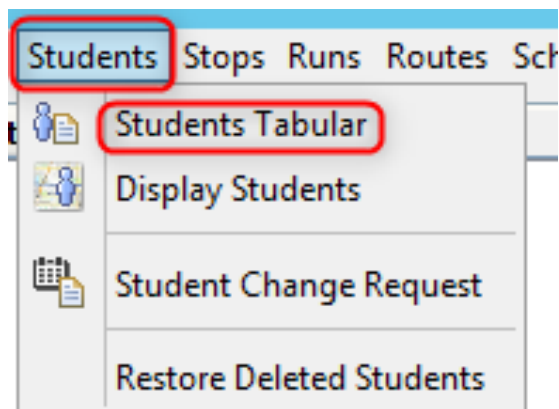
1. Student Tabular
2. Student Tabular & Map View
3. Main Map View.

I do not recommend assign stops in student tabular unless you are updating bus runs.

eSQL –Searches

File Map Students Stops Runs Routes Schools Contacts Tools Window Help

Each tab above has drop down options



eSQL - Searches

Students Stops Runs Routes Schools

For each of the primary pieces of data you work with in TIMS (Students, Stops, Runs and Routes), you can load data in eSQL using both Tabular and Display mode.

When loading pieces of data for use, you will have two options.

Basic Search: using this icon

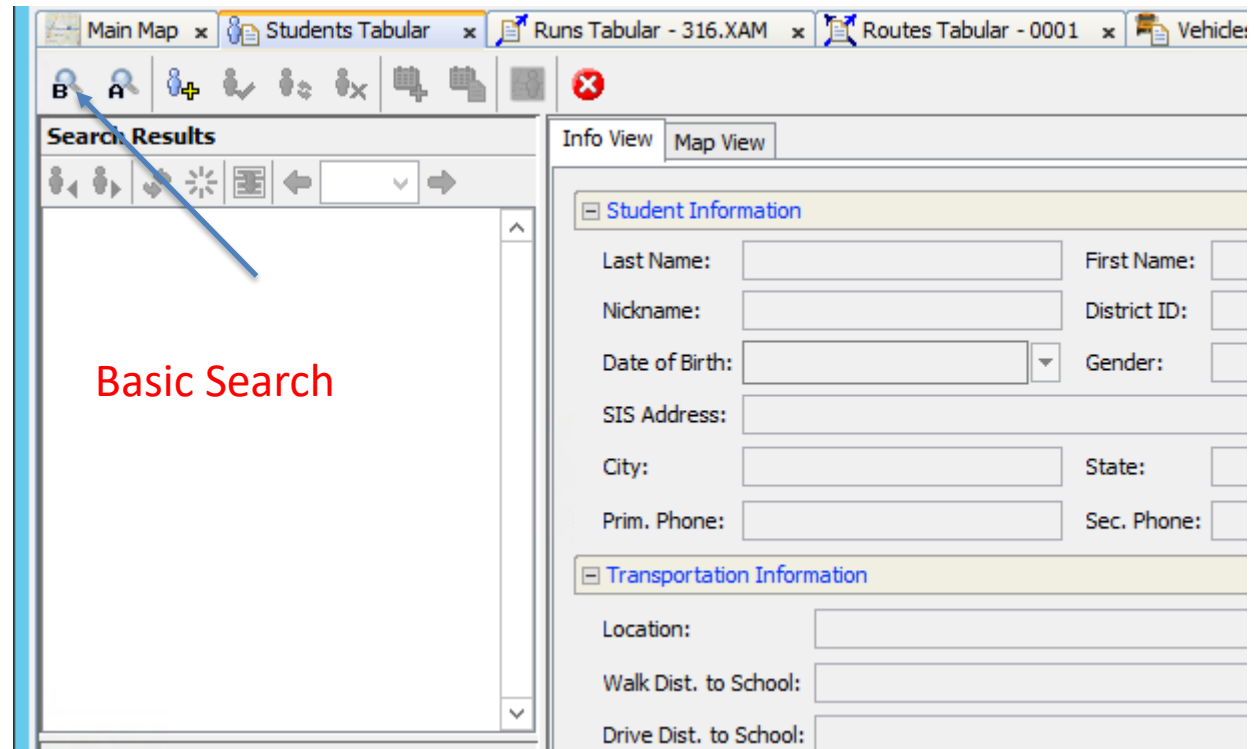
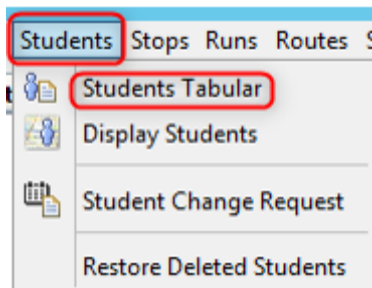


Advanced Search: using this icon



Advance searches are similar to creating a worklist.
We will demo an Advanced search in a bit, but for now, do a Basic Search under Students>Tabular

- Student Tabular

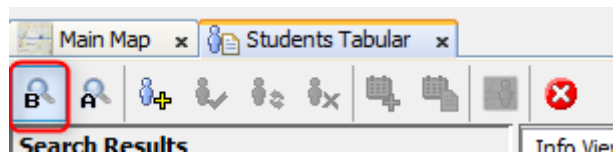


eSQL –Student Tabular – Basic Search

Once you are in the Student Tabular window you can generate searches to find the student(s) you want to work with.



You can do a basic search by selecting the B



There are a lot of options under your basic search tab. You can search from Street, Unmatched, Invalid, Unassigned, Needs, Name, Edulog ID, PS ID, or School

Street	Unmatched	Invalid	Unassigned	Needs
Name	Edulog ID	District ID	School	

Last Name:

First Name:

eSQL –Student Tabular – Basic Search

Student Basic Search

Street	Unmatched	Invalid	Unassigned	Needs
Name	Edulog ID	District ID		School

Last Name:

First Name:

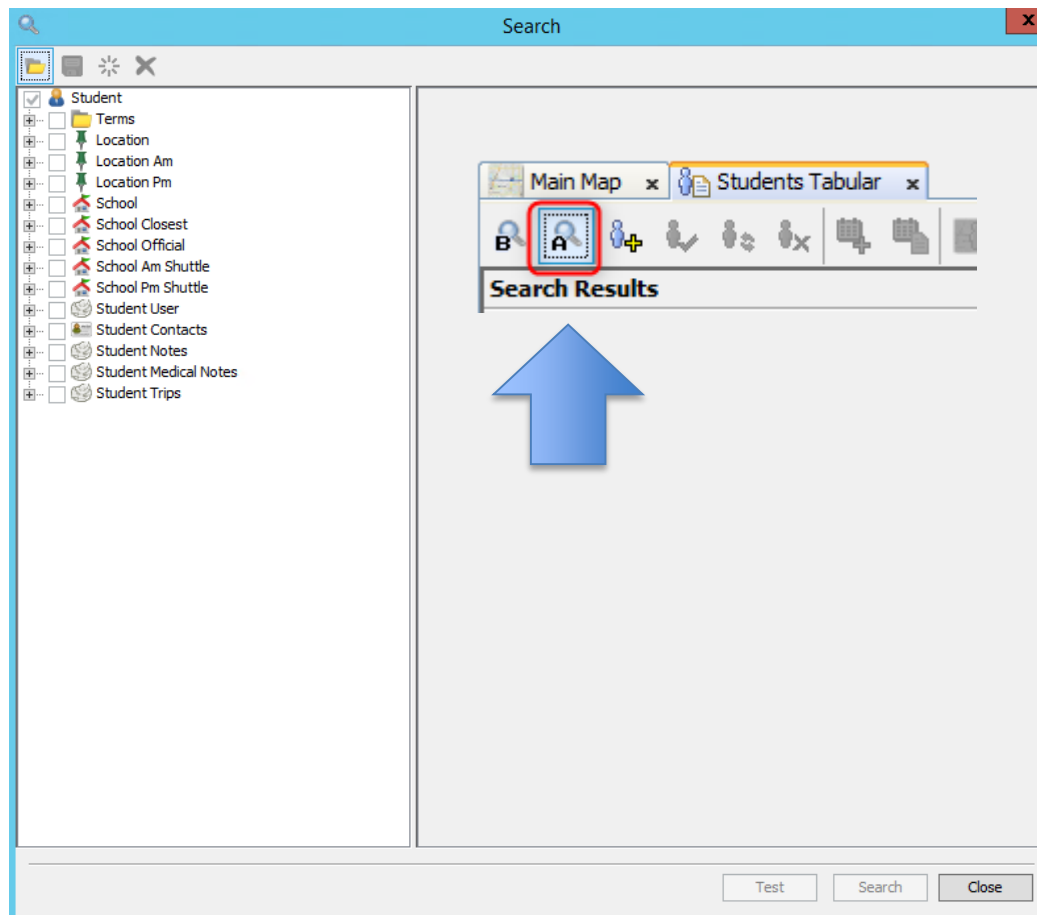
Let's look at the tab and what each tab will pull for your basic search.

The Street tab will pull all the students who is matched to that street. This is a good tool if a street is flooded or not travelable.

Needs = EC transportation needs.

Unmatched = Students who do not match the TIMS map

eSQL –Student Tabular



Advanced searches allow you to have more search options.

You can also do advances searches in Stops, Runs and Routes

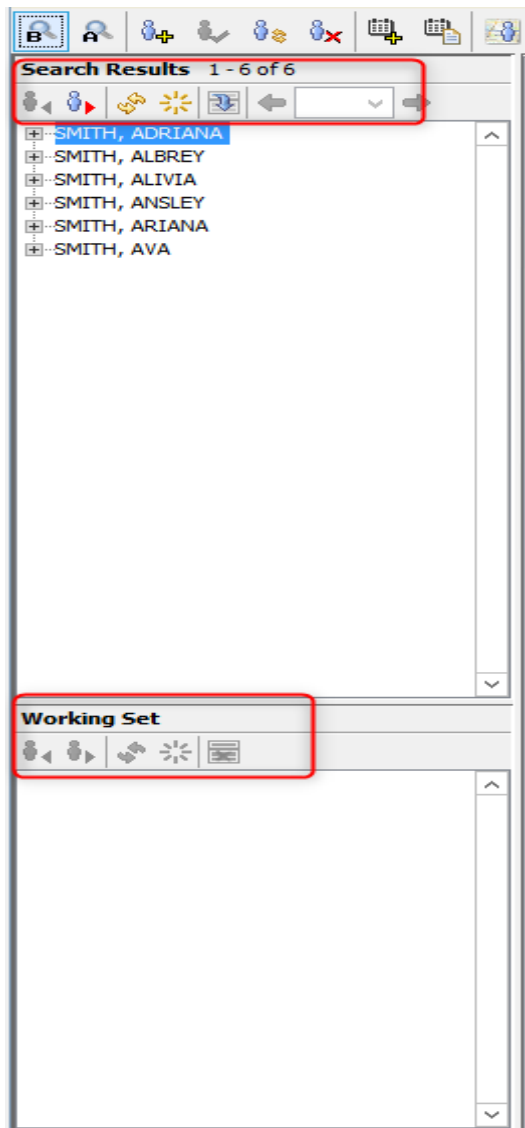
We will work with Advanced searches more later.

eSQL –Student Tabular

The screenshot shows the eSQL Student Tabular interface. On the left is a 'Search Results' panel with a list of search icons. On the right is the 'Student Basic Search' dialog box. The dialog box has a title bar with a search icon and a close button. Below the title bar is a tabbed interface with 'Info View' and 'Map View'. The 'Info View' tab is active, showing a 'Student Information' section. Below this is a table with columns: 'Street', 'Unmatched', 'Invalid', 'Unassigned', and 'Needs'. The 'Name' column is expanded, showing sub-columns: 'Name', 'Edulog ID', 'District ID', and 'School'. Below the table are two text input fields: 'Last Name: smith' and 'First Name: a'. A red box highlights these two input fields. At the bottom of the dialog box are 'Search' and 'Cancel' buttons.

Today lets search last
name = Smith and
first name that starts
with an A

eSQL –Student Tabular

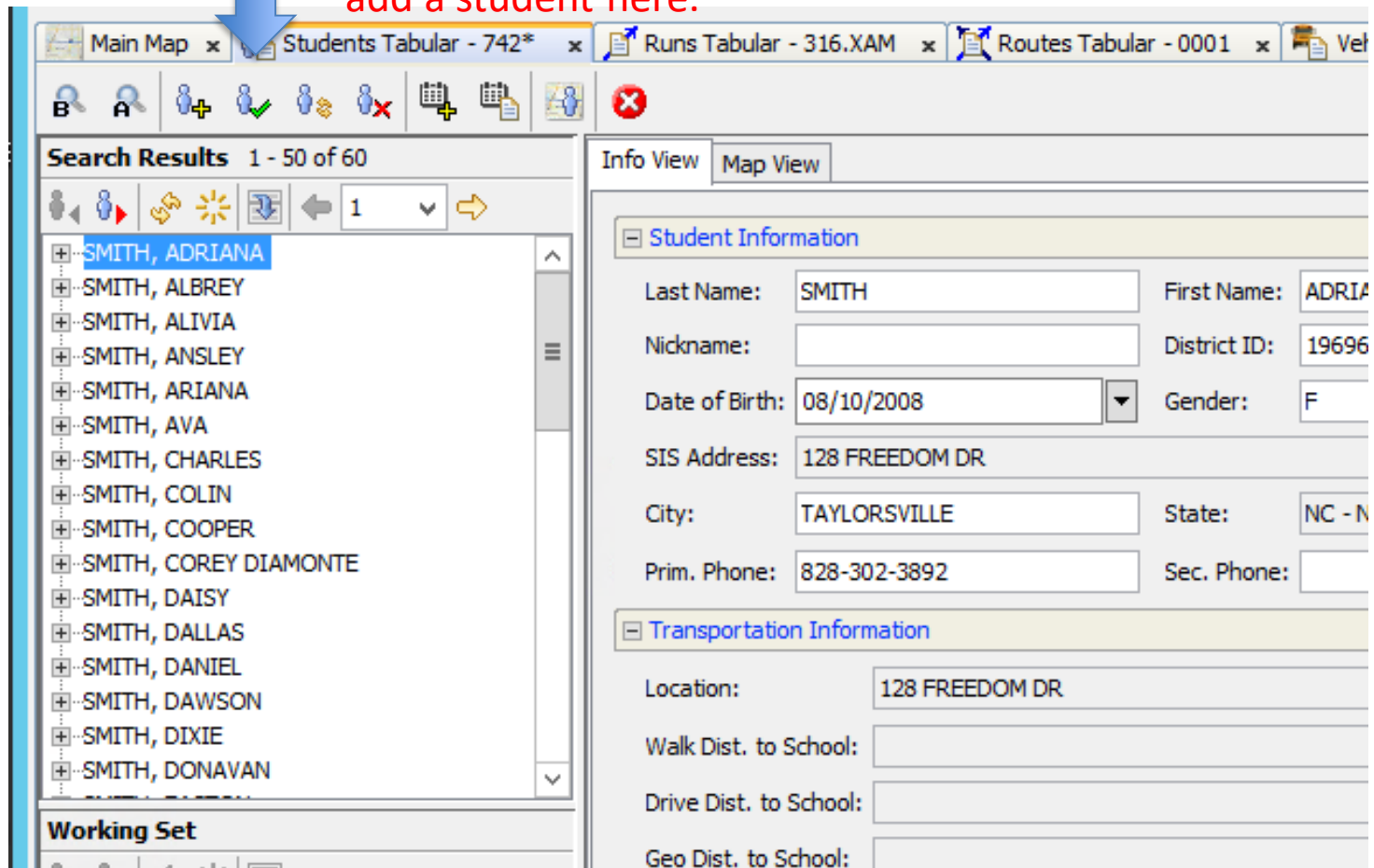


Search results will display results from query.

The working set is the student you are currently working on. If you double click on a name above it will move it to the box below.

Student Tabular

Make sure you save your information by clicking on the green check icon. You can also refresh, delete or add a student here.



The screenshot shows the 'Students Tabular' application window. The toolbar at the top includes icons for search, add, refresh, delete, and save (green checkmark). A blue arrow points to the green checkmark icon. The 'Search Results' pane on the left displays a list of students, with 'SMITH, ADRIANA' selected. The 'Info View' pane on the right shows the details for the selected student.

Search Results 1 - 50 of 60

- SMITH, ADRIANA
- SMITH, ALBREY
- SMITH, ALIVIA
- SMITH, ANSLEY
- SMITH, ARIANA
- SMITH, AVA
- SMITH, CHARLES
- SMITH, COLIN
- SMITH, COOPER
- SMITH, COREY DIAMONTE
- SMITH, DAISY
- SMITH, DALLAS
- SMITH, DANIEL
- SMITH, DAWSON
- SMITH, DIXIE
- SMITH, DONAVAN

Working Set

Info View | Map View

Student Information

Last Name: SMITH First Name: ADRIANA
 Nickname: District ID: 19696
 Date of Birth: 08/10/2008 Gender: F
 SIS Address: 128 FREEDOM DR
 City: TAYLORSVILLE State: NC - N
 Prim. Phone: 828-302-3892 Sec. Phone:

Transportation Information

Location: 128 FREEDOM DR
 Walk Dist. to School:
 Drive Dist. to School:
 Geo Dist. to School:

eSQL –Student Tabular

Adriana Smith

Student Information is pulled from
Powerschool during the Student UPSTU process

Info View
Map View

Student Information

Last Name: SMITH
First Name: ADRIANA
Middle Name:
Name Suffix:

Nickname:
District ID: 1969689
Government ID:
Edulog ID: 742

Date of Birth: 08/10/2008
Gender: F
Ethnicity:
Date Created: 03/04/2014

SIS Address: 128 FREEDOM DR
Apartment:
Time Changed: 02/04/2020, 1:02:47 PM

City: TAYLORSVILLE
State: NC - NORTH CAROLINA
Zip: 28681
Tag ID:

Prim. Phone: 828-302-3892
Sec. Phone:
E-Mail:
☐ Publish in Directory

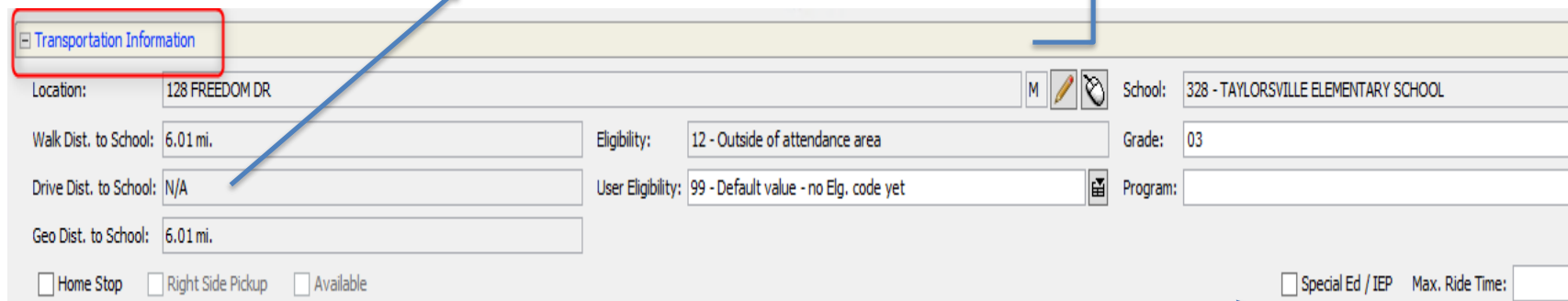
eSQL –Student Tabular

Transportation Information

Information relating to TIMS. Location (student's address), distance from school, eligibility code, school & grade.

Note: If Drive Distance is N/A the student lives on a no travel road.

Note: All addresses must match the map in TIMS



The screenshot shows the 'Transportation Information' section of the eSQL form. A red box highlights the 'Transportation Information' tab. A blue arrow points from the 'Drive Dist. to School: N/A' field to the note 'Note: If Drive Distance is N/A the student lives on a no travel road.' Another blue arrow points from the 'Special Ed / IEP' checkbox to the note 'The Special Ed/IEP box here does not require a EC stop. You would need to select Transportation needs below.' The form fields include:

- Location: 128 FREEDOM DR
- Walk Dist. to School: 6.01 mi.
- Drive Dist. to School: N/A
- Geo Dist. to School: 6.01 mi.
- Eligibility: 12 - Outside of attendance area
- User Eligibility: 99 - Default value - no Elg. code yet
- School: 328 - TAYLORSVILLE ELEMENTARY SCHOOL
- Grade: 03
- Program:
- Home Stop: ☐ Right Side Pickup: ☐ Available: ☐
- Special Ed / IEP: ☐ Max. Ride Time:

Note: If the location is U (unmatched) you will need to match it to the TIMS map. The address will continue to match with future upstus as long as the address is NOT changed in PS.

The Special Ed/IEP box here does not require a EC stop. You would need to select Transportation needs below.

eSQL –Student Tabular

Additional Transportation

Alternate AM & PM addresses are available if they are different from the home address. Some students may need transportation to the Boys & Girls Club, Daycare or Grandma's house.

If you do not have an alternative address here the quick assign will try match a stop to the TIMS location.

Additional Transportation

AM Location:

AM School Walk Dist.:

AM Eligibility:

PM Location:

PM School Walk Dist.:

PM Eligibility:

AM School Drive Dist.:

PM School Drive Dist.:

AM Shuttle:

AM School Geo Dist.:

PM Shuttle:

PM School Geo Dist.:

eSQL –Student Tabular



User Defined Fields

User Defined Fields			
AM Trn D >:		AM Trn T >:	
PM Trn D >:		PM Trn T >:	
City Code:	514	EC Code:	N
HR:	WEISEN	OD-Bndy:	
OD-Cnty:		Home:	328
Next:	328	AM Bus D >:	
PM Bus D >:		Loading:	
Restraint:		Monitor:	N
Father:	SMITH, DEREK	F_Res:	8284090509
F_Work:	8284090509	Mother:	FRAZIER, ABIGAIL
M_Res:	8283023892	M_Work:	8283023892
Emerg1:	FRAZIER, ABIGAIL	Emg 1 Ph:	8283023892
Emerg2:	SMITH, DEREK	Emg 2 Ph:	8284090509
Mail Add:	128 FREEDOM DR TAYLORSVILLE, NC 28681	YR:	04
ADMIT Date:	08292016	REGIS Date:	01011900
FRM:		Local1:	
Local2:		Local3:	
Local4:		Language:	
F_Cell:		M_Cell:	
Yr Rnd:	0	Tran Ex:	0
Curr:		--SPECIAL NEEDS--:	

Some User Defined Fields are updated from Powerschool. Others can be manually updated with TIMS. AM/PM Trn T can be added from the TIMS side and so can the Local fields. You can have your PS Data Managers code the AM/PM Trn D for bus assignments. You can generate a report after each upstu to determine who needs a bus assignment.

eSQL –Student Tabular – Map View

Miscellaneous

Notes

Medical Notes

Transportation Needs

Other Needs

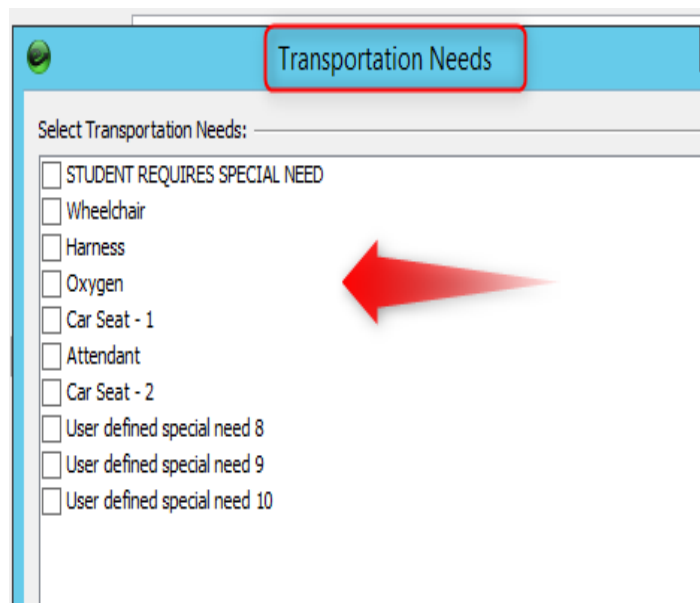
Select Transportation Needs:

- ☐ STUDENT REQUIRES SPECIAL NEED
- ☐ Wheelchair
- ☐ Harness
- ☐ Oxygen
- ☐ Car Seat - 1
- ☐ Attendant
- ☐ Car Seat - 2
- ☐ User defined special need 8
- ☐ User defined special need 9
- ☐ User defined special need 10

Other fields can be added with the help of your Project Leader.

eSQL –Student Tabular/EC Needs

Select transportation
needs here:

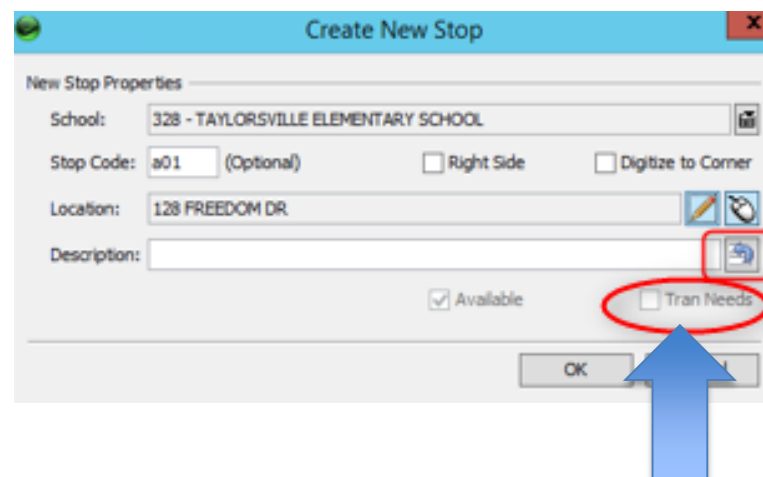


Transportation Needs

Select Transportation Needs:

- ☐ STUDENT REQUIRES SPECIAL NEED
- ☐ Wheelchair
- ☐ Harness
- ☐ Oxygen
- ☐ Car Seat - 1
- ☐ Attendant
- ☐ Car Seat - 2
- ☐ User defined special need 8
- ☐ User defined special need 9
- ☐ User defined special need 10

Stops Tabular



Create New Stop

New Stop Properties

School: 328 - TAYLORSVILLE ELEMENTARY SCHOOL

Stop Code: a01 (Optional) ☐ Right Side ☐ Digitize to Corner

Location: 128 FREEDOM DR

Description:

☒ Available ☐ Tran Needs

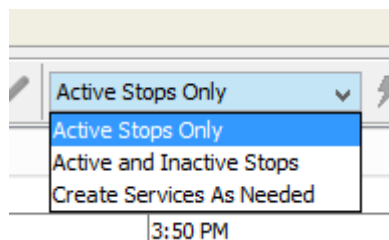
OK

If you have any of the boxes selected in the transportation needs, you must have the **stop** coded as an EC stop. See above.

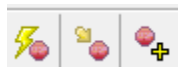
eSQL –Student Tabular

Student Trips

AM & PM Stop Information



When quick assigning a new stop you must select Create Stop Services as Needed for it to work.



Here you can quick assign, assign or create a new stop.

De-assign a
stop

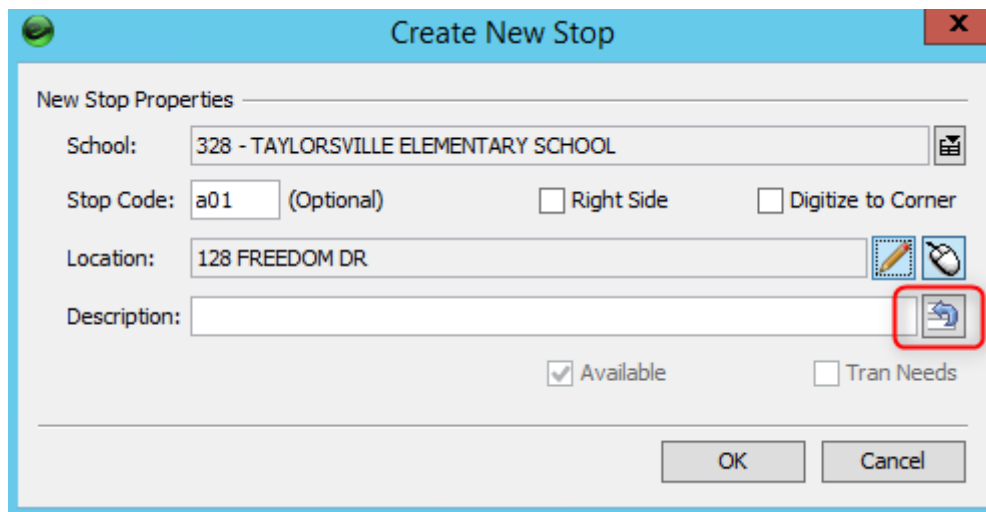


Stops tabular, Runs tabular & Routes tabular
quick links

Student Trips							
<div> + × ✎ Active Stops Only </div>							
Time at Stop	Route Description	Type	Bell Time	Stop Description	D/O Location	Stop ID	Vehicle Name
7:27 AM	012 ELLENDALE EC	To School	8:05 AM	CAROLYN RD & MEMORY LN	199 TAYLORSVILLE ELEMEN...	328.Z05	012
3:31 PM	012 ELLENDALE EC	From School	3:10 PM	CAROLYN RD & MEMORY LN	128 FREEDOM DR	328.Z05	012

eSQL –Student Tabular

- De-assign the PM stop and we will create a new stop. Create a stopid of 328.A01 (*Use the TIMS Location field for the address.*)



Create New Stop

New Stop Properties

School: 328 - TAYLORSVILLE ELEMENTARY SCHOOL

Stop Code: a01 (Optional) ☐ Right Side ☐ Digitize to Corner

Location: 128 FREEDOM DR

Description:

☒ Available ☐ Tran Needs

OK Cancel

This will populate the address description. The description can be different than the location field.

For example: You may want it to say. A Smith – 128 Freedom Dr if it was an EC student.

eSQL –Student Tabular

Assign the stop to the PM trip

Enter Stop Code

Enter ID: 328.A01

OK Cancel

Time at Stop	Route Description	Type	Bell Time	Stop Description	D/O Location	Stop ID
7:27 AM	012 ELLENDALE EC	To School	8:05 AM	CAROLYN RD & MEMORY LN	199 TAYLORSVILLE ELEMEN...	328.Z05
		From School	3:10 PM		128 FREEDOM DR	

You can select the fields you see.
I suggest displaying stop id, stop distance,
time at stop, run id, stop description and route code.

- ☒ Type
- ☐ P/U Location
- ☒ D/O Location
- ☐ Active
- ☒ Bell Time
- ☐ Frequency
- ☒ Stop ID
- ☒ Stop Description
- ☐ Stop Srv. Freq.
- ☐ Stop Srv. Load Avg.
- ☒ Stop Dist.
- ☒ Time at Stop
- ☐ Run ID
- ☐ Run Description
- ☐ Run Service Freq.
- ☐ Route Code
- ☒ Route Description
- ☒ Vehicle Name
- ☐ School
- ☐ Trip Days

Note: You can assign the stop by typing in
the stop id or by doing a quick assign.

eSQL –Student Tabular

You can left click and slide the headers below (also listed on the right) to the position you want to see them on the screen.

Type	Time at Stop	Stop Description	Run Description	Bell Time	Stop ID	Stop Dist.	Run ID	Route Description
To School	7:06 AM	3360 ICARD RIDGE RD	006 AM	8:00 AM	304.109	0.0 m	304.001	006 BETHLEHEM
From School	4:26 PM	3360 ICARD RIDGE RD	006 PM	3:10 PM	304.109	0.0 m	304.101	006 BETHLEHEM

<input checked="" type="checkbox"/>	Type
<input type="checkbox"/>	P/U Location
<input checked="" type="checkbox"/>	D/O Location
<input type="checkbox"/>	Active
<input checked="" type="checkbox"/>	Bell Time
<input type="checkbox"/>	Frequency
<input checked="" type="checkbox"/>	Stop ID
<input checked="" type="checkbox"/>	Stop Description
<input type="checkbox"/>	Stop Srv. Freq.
<input type="checkbox"/>	Stop Srv. Load Avg.
<input checked="" type="checkbox"/>	Stop Dist.
<input checked="" type="checkbox"/>	Time at Stop
<input type="checkbox"/>	Run ID
<input type="checkbox"/>	Run Description
<input type="checkbox"/>	Run Service Freq.
<input type="checkbox"/>	Route Code
<input checked="" type="checkbox"/>	Route Description
<input checked="" type="checkbox"/>	Vehicle Name
<input type="checkbox"/>	School
<input type="checkbox"/>	Trip Days

eSQL –Student Tabular

Putting a stop on a run



Best fit for stop on a run. I do not like using this option. It would be better to look at a run and decide the best fit. We will take a look at the map view so we can decide what run is the best fit.

Bell Time	Stop Description	D/O Location	Stop ID
8:05 AM	CAROLYN RD & MEMO...	199 TAYLORSVILLE ...	328.Z05
8:10 PM	128 FREEDOM DR	128 FREEDOM DR	328.A01

It may also put Regular Ed students on an EC bus.

eSQL –Student Tabular

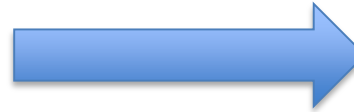
Before we move forward in assigning stops to a student and a run, we must first understand the concept.



Assigning Stops



School Code
328



Adriana Smith

AM StopID
328.Z05

PM StopID
328.A01



AM Run ID
308.004



PM Run ID
?????



Route ID



Bus 012



?????

Assigning Stops



Student's
Address is:
128 Freedom Dr

[-] Transportation Information	
Location:	128 FREEDOM DR

Create New Stop

New Stop Properties

School:	328 - TAYLORSVILLE ELEMENTARY SCHOOL		
Stop Code:	a01	(Optional)	<input type="checkbox"/> Right Side
Location:	128 FREEDOM DR		
Description:			
<input checked="" type="checkbox"/> Available			

Earlier we created
stopid 328.A01

Assigning Stops – No Travel Roads



Student's
Address is:
128 Freedom Dr



She lives on a no
travel road. I
know this
because I have
my no travel
roads displayed
with red & her
drive distance to
school was NA.



School Code
328



*We will need to move the stop to the entrance of the road.
Liberty Church Rd & Freedom Rd*




Stops Tabular

<div> Create Services As Needed </div>				
Route Description	Type	Bell Time	Stop Description	
012 ELLENDALE EC	To School	8:05 AM	CAROLYN RD & MEMO...	
	From School	3:10 PM	128 FREEDOM DR	

Assigning Stops – No Travel Roads

328.A01 Government ID: School: 328 - TAYLORSVILLE ELEMENTARY SCHO Time Changed: 09/09/2020, 11:01:56 AM

128 FREEDOM DR M 

128 FREEDOM DR

You can easily change a stop location 2 ways:

1. Pencil
2. Digitize

1st We will
change it using
the pencil



Match Stop Location

Location Match Recent Locations

Match Stop Location
Select street from first list
Select street from second list

Street One	Street Two
FREEDOM DR	LIBERTY CHURCH RD
FREEDOM DR	LIBERTY LN
	LIBERTY CHURCH RD
	LIBERTY GROVE CHURCH RD

< Back Next > Finish Cancel

328.A01

FREEDOM DR & LIBERTY CHURCH RD

1: FREEDOM DR & LIBERTY CHURCH RD

:

Assigning Stops – No Travel Roads

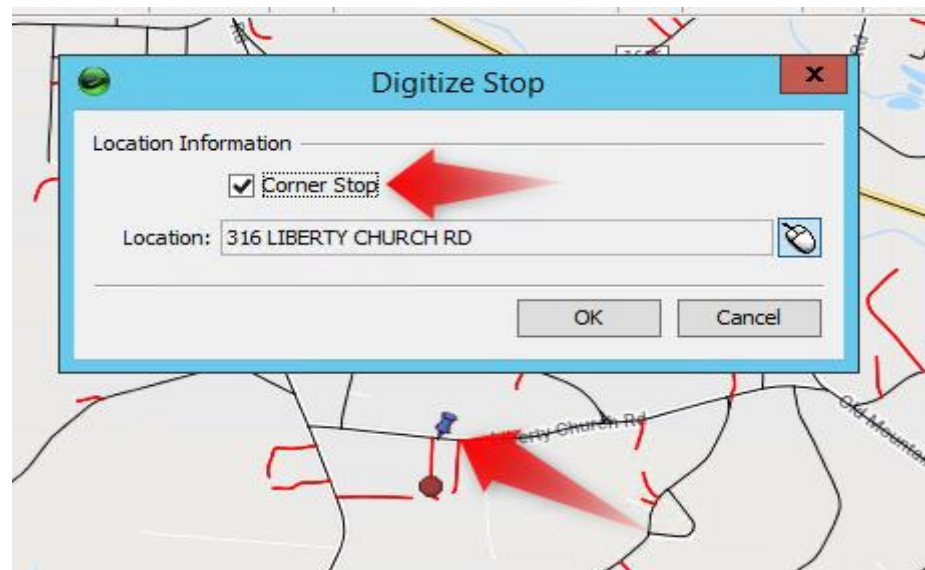
You can also use the mouse and digitize the stop to the corner.

328.A01 Government ID: School: 328 - TAYLORSVILLE ELEMENTARY SCHO Time Changed: 09/09/2020, 11:01:56 AM

FREEDOM DR. & LIBERTY CHURCH RD

FREEDOM DR. & LIBERTY CHURCH RD

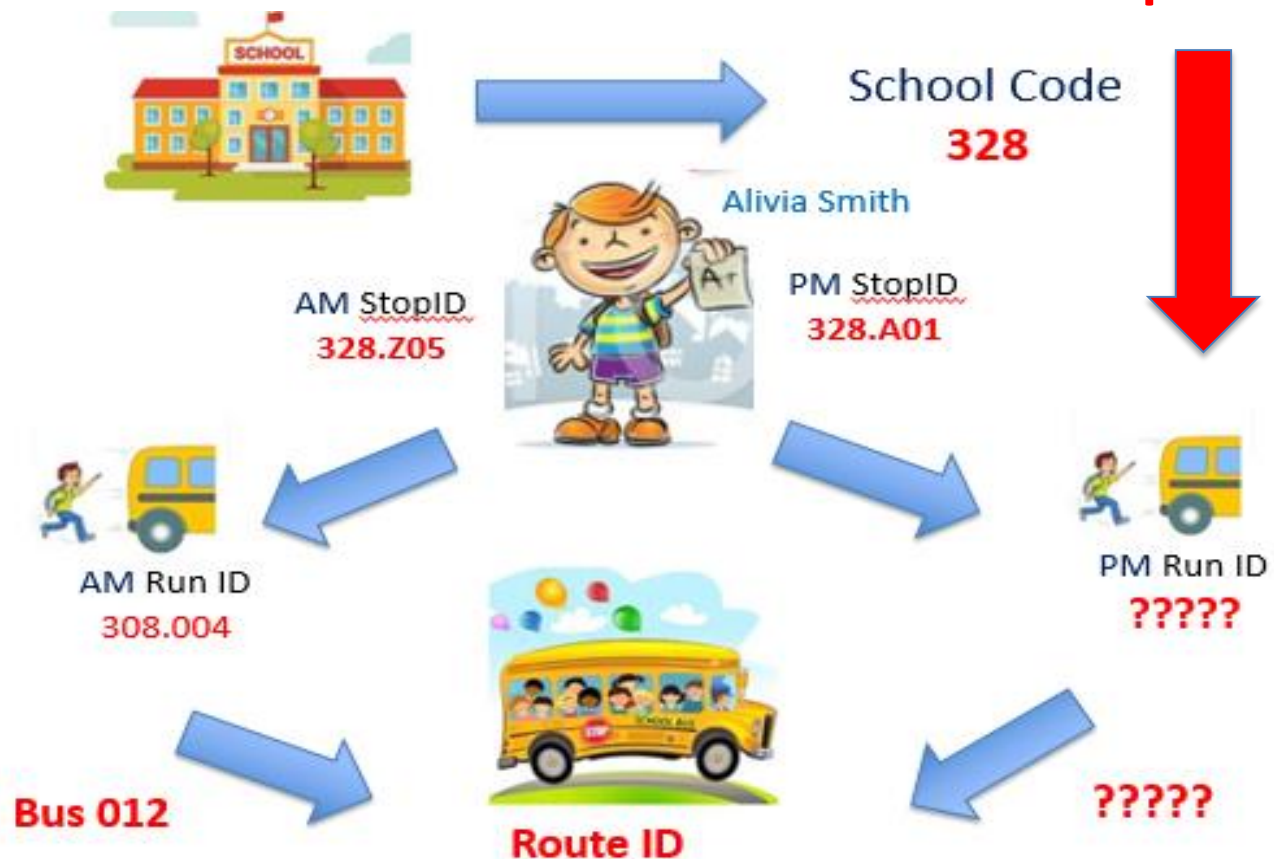
S



Assigning Stops

Stop Information	
Stop ID:	328.A01
Location:	FREEDOM DR. & LIBERTY CHURCH RD
Description:	FREEDOM DR. & LIBERTY CHURCH RD
Comments:	

Now assign the
stop to a run.



Understanding Stops and Working with Stops



ITRE

Institute for Transportation
Research and Education

Assigning Stops

Assigning Stops using Student Tabular Map View

Assigning Stops – Student Tabular Map View

Pull up Adriana Smith and select map view from the Student Tabular screen.



The screenshot shows a web-based form for student information. At the top, there are two tabs: 'Info View' and 'Map View', with 'Map View' being the active tab. Below the tabs is a section titled 'Student Information' with a minus sign icon. The form contains the following fields:

Last Name:	SMITH	First Name:	ADRIANA
Nickname:		District ID:	1969689
Date of Birth:	08/10/2008	Gender:	F
SIS Address:	128 FREEDOM DR		
City:	TAYLORSVILLE	State:	NC - NORTH CAROLINA
Prim. Phone:	828-302-3892	Sec. Phone:	

Below the 'Student Information' section is another section titled 'Transportation Information' with a minus sign icon. It contains one visible field:

Location:	128 FREEDOM DR
-----------	----------------

Assigning Stops – Student Tabular Map View

You can right click on any details on the right side and it will give you a list of options. For now I want to zoom to item.

Info View | Map View

Active Stops Only

Type	P/U Location	D/O Location	Stop Description	Time at Stop	Run Description	Route Description	Vehicle Name
To School	128 FREED...	199 TAYLOR...					
From School	199 TAYLO...	128 FREED...	128 FREEDOM ...	3:50 PM	001 PM EC		

Available Stops

Stop ID	Stop Description	Distance	Load

Students

- 1969689 - SMITH, ADRIANA

Trip Stops

- 328.A01 - 1

Trip Location

- 128 FREED
- 128 FREED

Schools

- 328 - TAYLORSVILLE ELEMENTARY SC

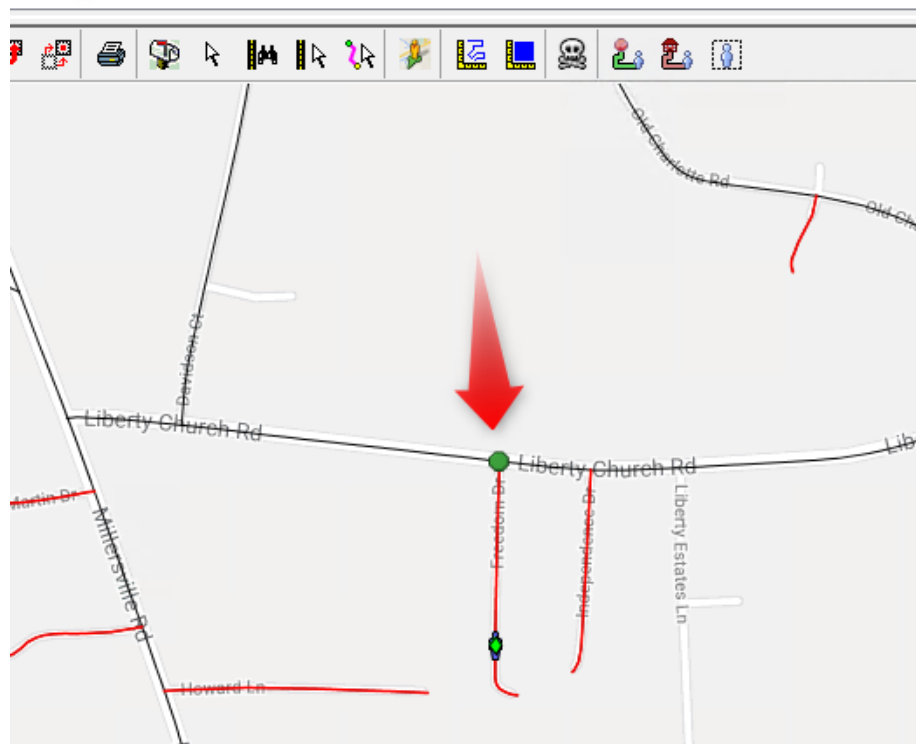
Context Menu Options:

- Zoom to Item
- Hide Item
- Hide All Other Items
- Edit Item Display Attrib
- Show Trips for Student

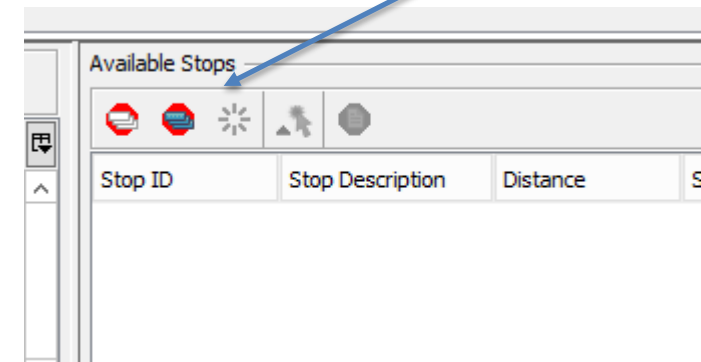
Assigning Stops – Student Tabular Map View

Stop ID	Stop Description	Stop Dist.	Time at...	Run ID	Run Des...	Route De...
328.Z05	CAROLYN RD & MEM...	1.79 mi.	7:27 AM	308.004	012 AM EC	012 ELLEN...
328.A01	FREEDOM DR & LIBE...	0.0 mi.				

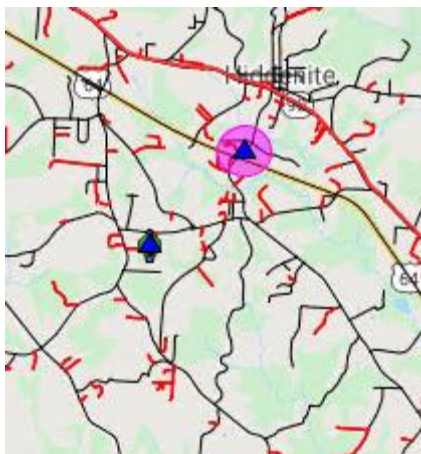
Stop id 328.A01



You can also search for active stops or all available stops by clicking the icons below.



Assigning Stops – Student Tabular Map View



You can click on a stop and graphically see where that stop is located.

Available Stops

There is also a quick link to Stops Tabular.

Stop ID	Stop Description	Distance	Stop Load	
328.A01	128 FREEDOM DR	0 mi.	0	^
328.Z05	CAROLYN RD & MEMO...	1.79 mi.	2	≡
328.Z09	AIRPORT FARM LN & ...	2.9 mi.	1	
328.022	1818 NC HWY 90	3.72 mi.	1	
328.064	BANDIT ST & E MAIN ...	4.31 mi.	1	▼

Assigning Stops – Student Tabular Map View



From here you can quick assign, assign selected stop, create a new stop or Assign Student using Stop Tool.

P/U Location	D/O Location	Stop Description	Time at Stop	Run Description	Route Description	Vehicle Name
128 FREEDOM...	199 TAYLORS...					
199 TAYLORS...	128 FREEDOM...	128 FREEDOM DR	3:50 PM	001 PM EC		

Stop ID	Sto
328.A01	128
328.Z05	CAR
328.Z09	AIR
328.022	181
328.064	BAN

Assigning Stops – Student Tabular Map View

If you decide to use the Assign Stop Tool you would just drag the student to the stop you want. Once the student is assigned the student will turn blue.

The screenshot displays the 'Student Tabular Map View' interface. At the top, there is a toolbar with various icons, including a red arrow pointing to the 'Assign Stop Tool' (a person icon). Below the toolbar is a table with the following data:

Type	P/U Location	D/O Location	Stop ID	Stop Description	Time at Stop	Run Description	Route Description	Vehicle Name
School	128 FREED...	199 TAYLOR...	328.A01	128 FREEDOM DR	6:25 AM	182 AM EC	182 ACHS EC	182
From School	199 TAYLOR...	128 FREED...	328.A01	128 FREEDOM DR	3:50 PM	001 PM EC	001 ACHS EC	001

To the right of the table is an 'Available Stops' section with a list of stops and their descriptions. Below the table is a map showing the geographical area with roads and landmarks. On the right side of the map, there is a sidebar with the following sections:

- Students**
 - 1969689 - SMITH, ADRIANA
- Trip Stops**
 - 328.A01 - 128 FREEDOM DR
- Trip Locations**
 - 128 FREEDOM DR [To School]
 - 128 FREEDOM DR [From School]
- Schools**
 - 328 - TAYLORSVILLE ELEMENTARY SC

Assigning Stops – Student Tabular Map View

Practice Time

Jones, Andrew

Jones, Dakota

Jones, Darby

Jones, Hailee

Jones, Holly

Jones, Hunter

Jones, Lane

Assign the students above AM/PM stops using both Student Tabular and the Map View.

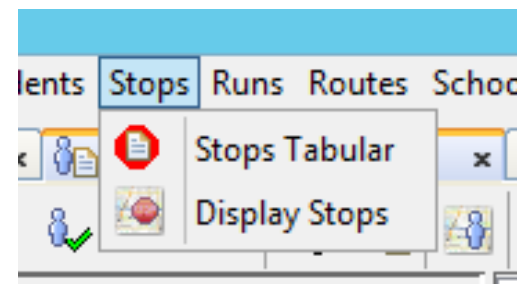

eSQL– Stops Tabular & Map View

Stops Tabular & Map View

Assigning Stops – Stops Tabular

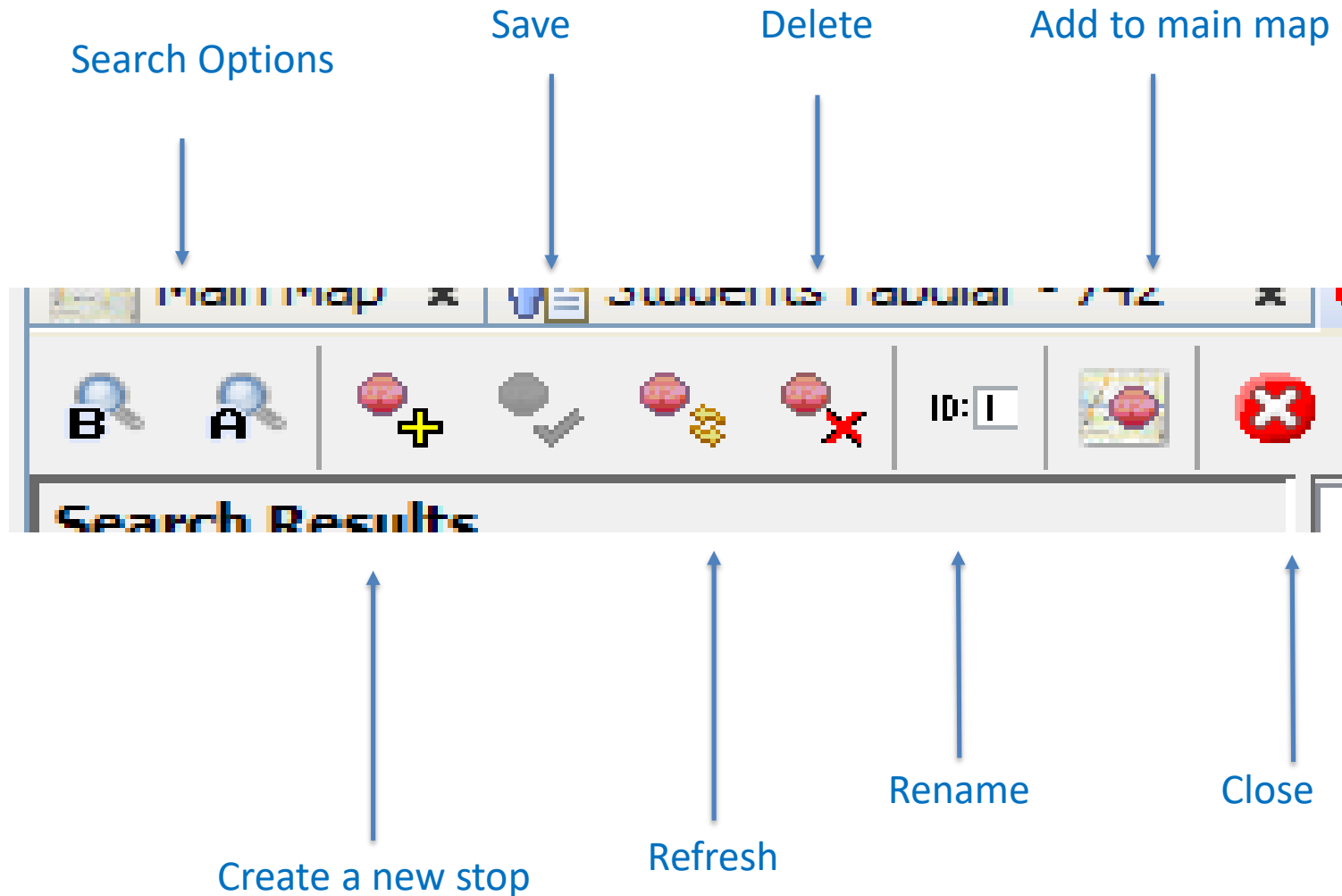
Main Map Option

Once a stop is assign you can click on the quick link and it will take you to ***Stops Tabular***.

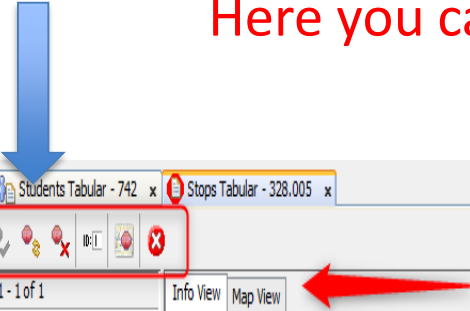
e	Stop ID	Stop Description	Stop Dist.	Time at...	Ru
	328.Z05	CAROLYN RD & MEM...	1.79 mi.	7:27 AM	308
	328.A01	FREEDOM DR & LIBE...	0.0 mi.		

Assigning Stops – Stops Tabular



Assigning Stops – Stops Tabular

Here you can search a stop, change the location, create a new stop or delete it.

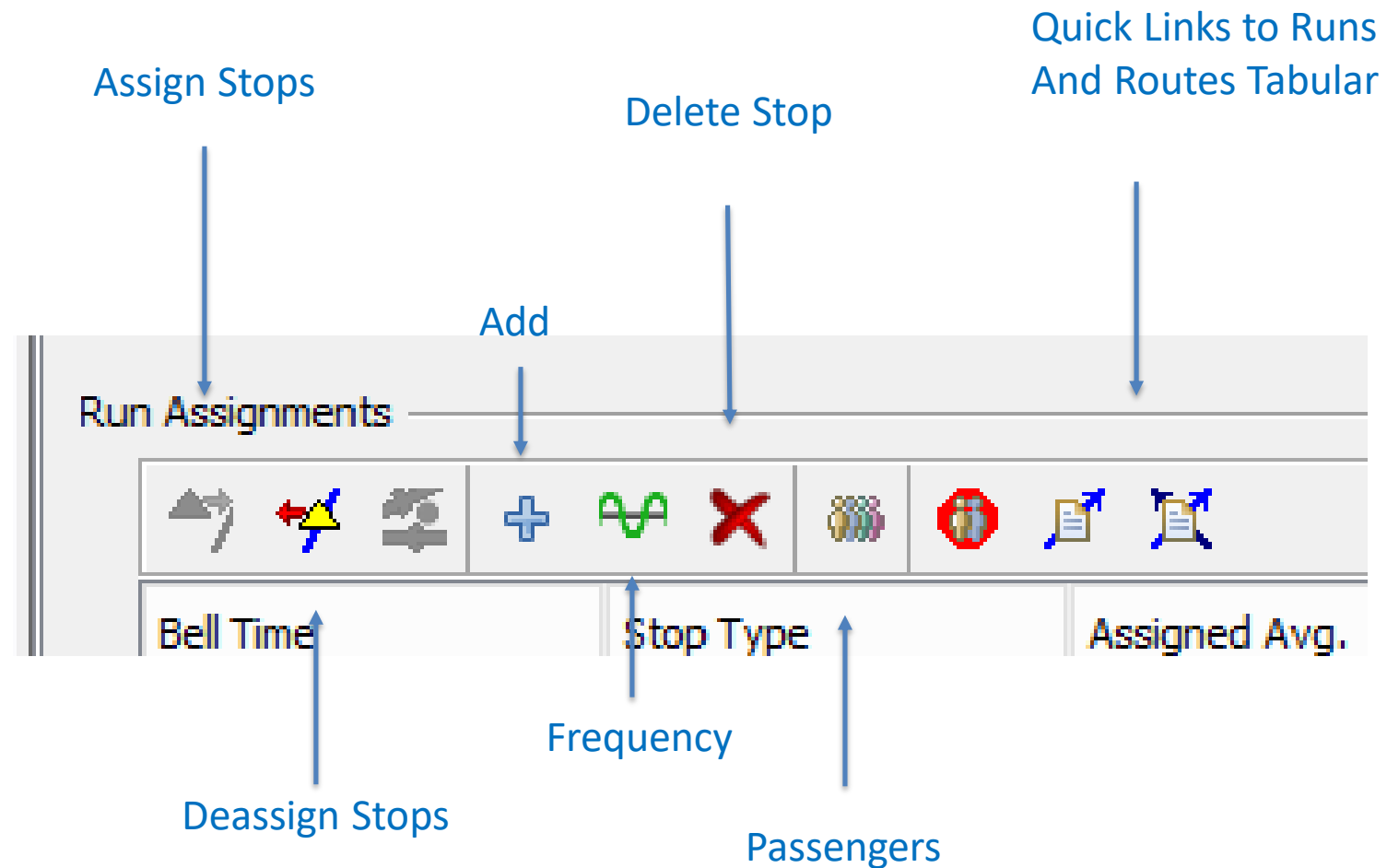


The screenshot shows the 'Stops Tabular' window with the following components:

- Top Toolbar:** Contains icons for search, add, edit, delete, and other map functions. A blue arrow points to this area.
- Search Results:** Shows '1 - 1 of 1' results for '332.001 - J S LN & MILLERSVILLE RD'.
- Info View / Map View:** A red arrow points to the 'Map View' tab.
- Stop Information:**
 - Stop ID: 328.005
 - Government ID: (empty)
 - School: 328 - TAYLORSVILLE ELEMENTARY SCHO
 - Time Changed: 09/11/2020, 2:06:34 PM
 - Location: 128 FREEDOM DR
 - Description: 128 FREEDOM DR
 - Comments: (empty)
- Run Assignments:** A toolbar with icons for adding, deleting, and editing runs.
- Table:**

Bell Time	Stop Type	Assigned Avg.	Headcount Avg.	Stop Time	Run ID	Run Description	Route ID	Route Description	Vehicle Name
8:05 AM	Pick Up	0	0						
3:10 PM	Drop Off	1	0						

Assigning Stops – Stops Tabular



Assigning Stops – Stops Tabular

Stops can be assigned to a run in Stops Tabular. You will need to know what bus to assign the stop to. This option is good for updating Run Updates.

The screenshot shows the 'Stops Tabular' window with the 'Info View' tab selected. A red arrow points to the 'Stops Tabular - 328.A01' tab. A red box highlights the toolbar at the top, and a blue arrow points to the 'Insert stop on a run.' text. The 'Stop Information' section contains fields for Stop ID, Government ID, School, Time Changed, Location, Description, and Comments. The 'Run Assignments' section contains a toolbar with icons for adding, deleting, and editing assignments. Below the toolbar is a table with columns: Bell Time, Stop Type, Assigned Avg., Headcount Avg., Stop Time, Run ID, Run Description, Route ID, Route Description, and Vehicle Name.

Insert stop on a run.

Bell Time	Stop Type	Assigned Avg.	Headcount Avg.	Stop Time	Run ID	Run Description	Route ID	Route Description	Vehicle Name
8:05 AM	Pick Up	0	0						
3:10 PM	Drop Off	1	0						

Assigning Stops – Stops Tabular

Insert Stop on Run

Insert Stop on Run

Stop ID to Insert: 328.A01

Select a Run

Filter:

Run ID	Run Description
302.114	182 PM EC
308.104	012 PM EC
328.101	184 PM
328.102	011 PM
328.103	180 PM

Positioning Method

☒ Manually Select Position

☐ Best Fit Position

Select a Stop in the Run's Sequence

Seq. #	Stop ID	Stop Descr...	Stop Time	Stop Load	Run Load	Frequency	DH (mm...
1	328.000	SCHOOL: T...	3:15 PM	0	43	MTWUF--	00:00
2	328.007	OAKS APTS	3:18 PM	4	39	MTWUF--	03:48
3	328.055	75 MOUNTA...	3:20 PM	2	37	MTWUF--	01:18
4	328.026	235 OLD W...	3:22 PM	2	35	MTWUF--	02:06

Select Placement

☒ Before Selected Stop

☐ After Selected Stop

OK Cancel

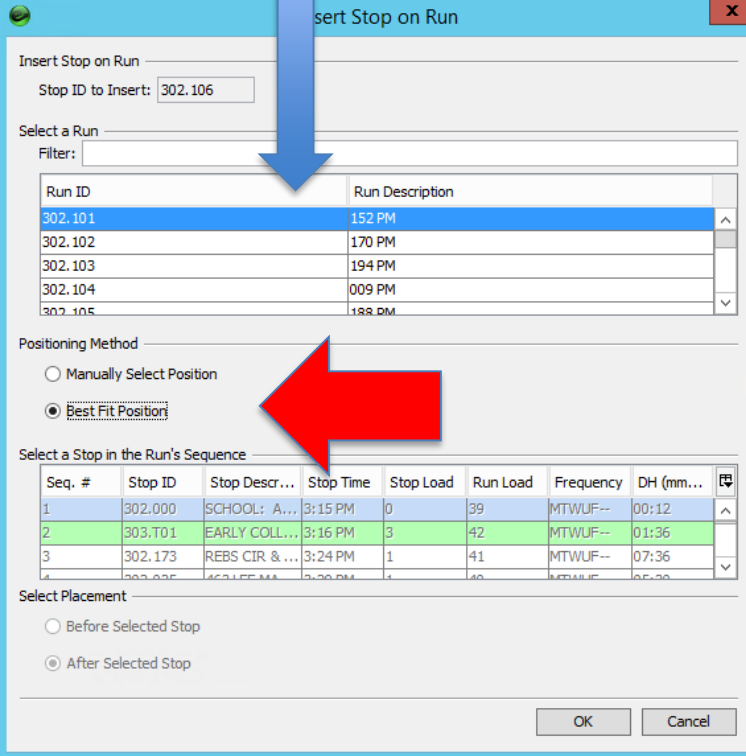
If you add the stop manually you would need to know what bus to assign the stop to, you would also need to know what position.

It is easier to see in Map View.

Assigning Stops – Stops Tabular

The best fit will add the stop to the run that you selected.

Best Fit option uses the run you selected.



Insert Stop on Run

Stop ID to Insert: 302.106

Select a Run

Filter:

Run ID	Run Description
302.101	152 PM
302.102	170 PM
302.103	194 PM
302.104	009 PM
302.105	188 PM

Positioning Method

☐ Manually Select Position

☒ Best Fit Position

Select a Stop in the Run's Sequence

Seq. #	Stop ID	Stop Descr...	Stop Time	Stop Load	Run Load	Frequency	DH (mm...
1	302.000	SCHOOL: A...	3:15 PM	0	39	MTWUF--	00:12
2	303.T01	EARLY COLL...	3:16 PM	3	42	MTWUF--	01:36
3	302.173	REBS CIR & ...	3:24 PM	1	41	MTWUF--	07:36
4	302.035	ACQULE MA...	3:30 PM	1	40	MTWUF--	05:36

Select Placement

☐ Before Selected Stop

☒ After Selected Stop

OK Cancel

Assigning Stops – Stops Tabular

Assigning Stops using the Feasible Run option

Location: 6266 RINK DAM
Description: 6266 RINK DAM
Comments:

Run Assignments

Bell Time: 8:00 AM, 3:05 PM
Stop Type: Pick Up, Drop Off

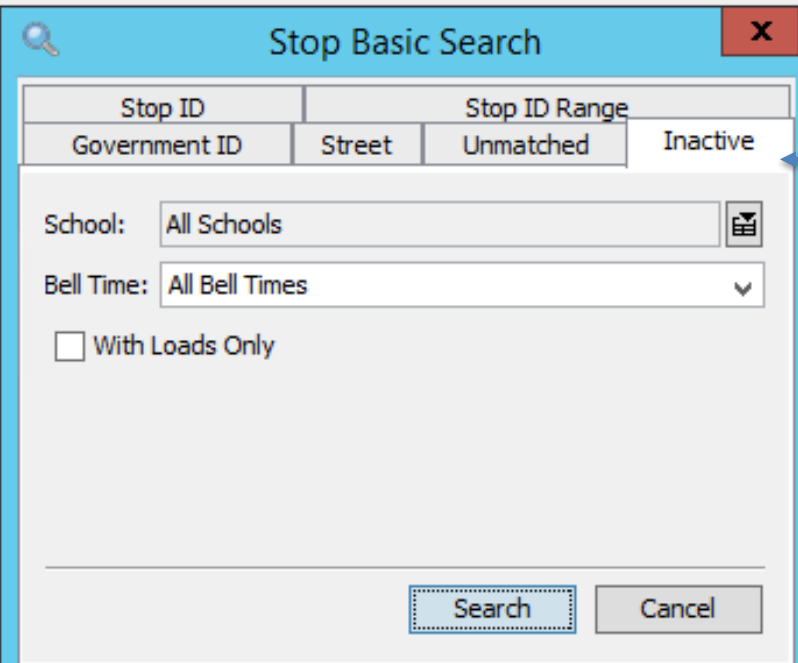
Feasible Runs for Stop

Select Run and Position

Run ID	Position	Added Dist...	Max. Time	Current Time (m...	Added Time (m...	Max. L...	Current L...	Added L...
302.109	23	0 mi.	90	129:30	00:00	60	49	1
302.114	12	1.15 mi.	90	120:18	01:20	60	9	1
302.106	3	0.98 mi.	120	115:36	01:30	60	35	1
302.108	3	0.98 mi.	90	74:54	01:30	60	27	1
302.110	23	2.97 mi.	90	132:36	04:12	60	50	1
302.112	26	4.04 mi.	120	97:54	06:16	60	39	1
328.104	12	0.17 mi.	90	126:24	09:00	60	14	1
302.105	29	10.47 mi.	90	101:30	16:07	60	48	1
302.102	3	12.04 mi.	90	55:36	17:00	60	35	1
302.111	10	12.86 mi.	90	109:06	17:15	60	27	1
302.103	4	12.45 mi.	240	87:42	17:17	60	38	1
302.101	30	12.12 mi.	60	67:06	17:22	60	42	1
302.107	3	13.45 mi.	120	81:18	18:33	60	46	1
302.113	37	15.1 mi.	1200	68:42	21:29	60	57	1

Insert Stop Cancel

Assigning Stops – Stops Tabular

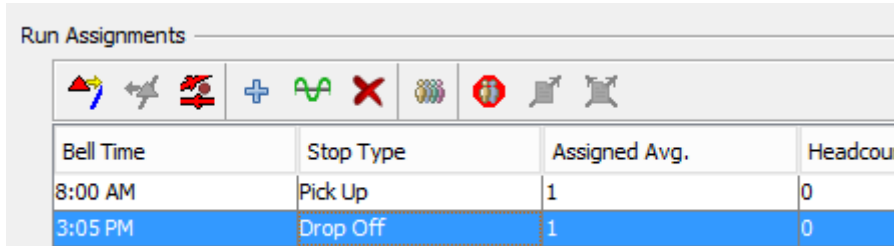


The 'Stop Basic Search' dialog box contains the following fields and controls:

- Stop ID**: A text input field.
- Stop ID Range**: A text input field.
- Government ID**: A text input field.
- Street**: A text input field.
- Unmatched**: A text input field.
- Inactive**: A text input field, highlighted by a blue arrow.
- School**: A dropdown menu set to 'All Schools'.
- Bell Time**: A dropdown menu set to 'All Bell Times'.
- With Loads Only**: An unchecked checkbox.
- Search**: A button.
- Cancel**: A button.

Pull up a basic search and search for inactive stops.

Let practice putting 302.016 on a run.



The 'Run Assignments' table displays the following data:

Bell Time	Stop Type	Assigned Avg.	Headcount
8:00 AM	Pick Up	1	0
3:05 PM	Drop Off	1	0

Assigning Stops – Stops Tabular

Stops Tabular

Clear out your selection and
pull up stopid 328.A01

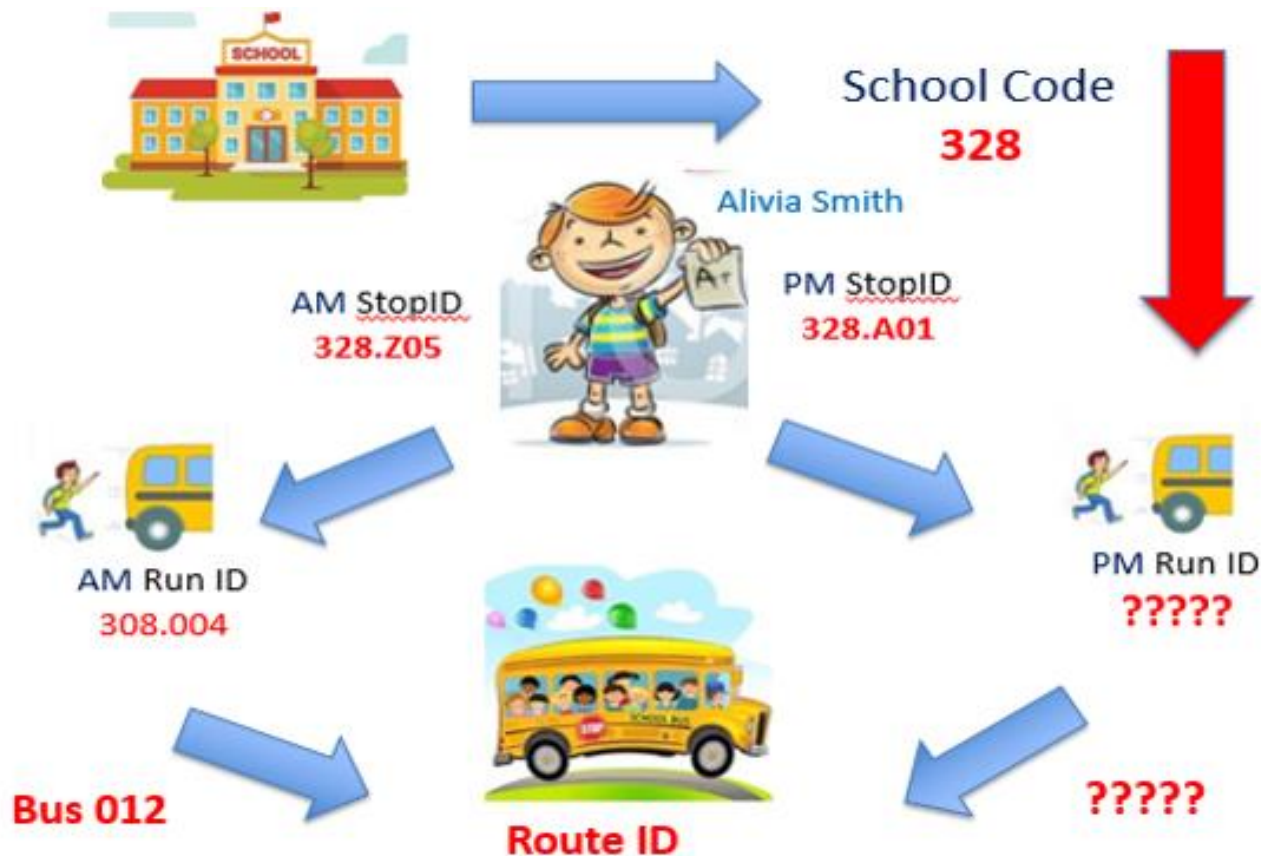
Student:

Adriana Smith

Assigning Stops – Stops Tabular – Map View

Stops Tabular – Map View

Assigning Stops – Stops Tabular - Map View



Now we need to assign Stopid 328.A01 to a Run

Assigning Stops – Stops Tabular - Map View

Click on map view so we can graphically see the bus runs.



Load Feasible Runs

Search Results

Run Assignments

Bell Time	Stop Type	Frequency	Avl/Eff Fr...	Stop Time	Run ID	Route ID
8:05 AM	Pick Up	MTWUF--	MTWUF--			
3:10 PM	Drop Off	MTWUF--	MTWUF--			

Feasible Runs

Working Set

328.A01 - FREEDOM DR. & LIBERTY CHURCH RD

Assigning Stops – Stops Tabular - Map View

Assign Stop to Run 328.104. Note it will show you the stop distance, added time, max load and current load here.

Info View

Map View

Run Assignments

Bell Time	Stop Type	Frequency	Avl/Eff Fr...	Stop Time	Run ID	Route ID
8:05 AM	Pick Up	MTWUF--	MTWUF--			
3:10 PM	Drop Off	MTWUF--	MTWUF--			

Feasible Runs

Run ID	Position	Added Distance	Max. Time	Current Time (mm:ss)	Added Time (mm:ss)	Max. Load	Current Load	Added Load
328.104	17	0 mi.	90	138:54	00:00	60	13	1
308.104	8	0.6 mi.	90	126:54	01:07	60	8	1
302.114	4	4.53 mi.	90	113:54	07:51	60	9	1
328.101	10	7.38 mi.	90	50:36	10:37	60	43	1
328.103	16	12.18 mi.	120	49:36	17:09	60	28	1

Runs

- 328.104 - 001 PM EC (MASTER) ☒
- 0: 328.000 - SCHOOL: TAYLC ☒
- 1: 328.000 - SCHOOL: TAYLC ☒
- 2: 302.000 - SCHOOL: ALEXA ☒
- 3: 328.207 - LEROY RD & POF ☒
- 4: 302.212 - 44 LEROY RD ☒
- 5: 328.206 - POP DAVIS RD & ☒
- 6: 328.208 - E MAIN AVE & CF ☒
- 7: 328.201 - 243 E MAIN AVE ☒
- 8: 306.000 - SCHOOL: EAST ☒
- 9: 316.000 - SCHOOL: HIDE ☒
- 10: 306.209 - 260 QUERY RD ☒
- 11: 302.208 - 260 QUERY RD ☒
- 12: 328.202 - STONY POINT S ☒
- 13: 302.202 - 700 HUNTER BR ☒
- 14: 302.217 - OLD CONCORD ☒
- 15: 302.208 - 115 JOHNNY M ☒
- 16: 302.206 - 45 PAYNES DAI ☒

Assigning Stops – Stops Tabular - Map View

3

Info View Map View

Run Assignments

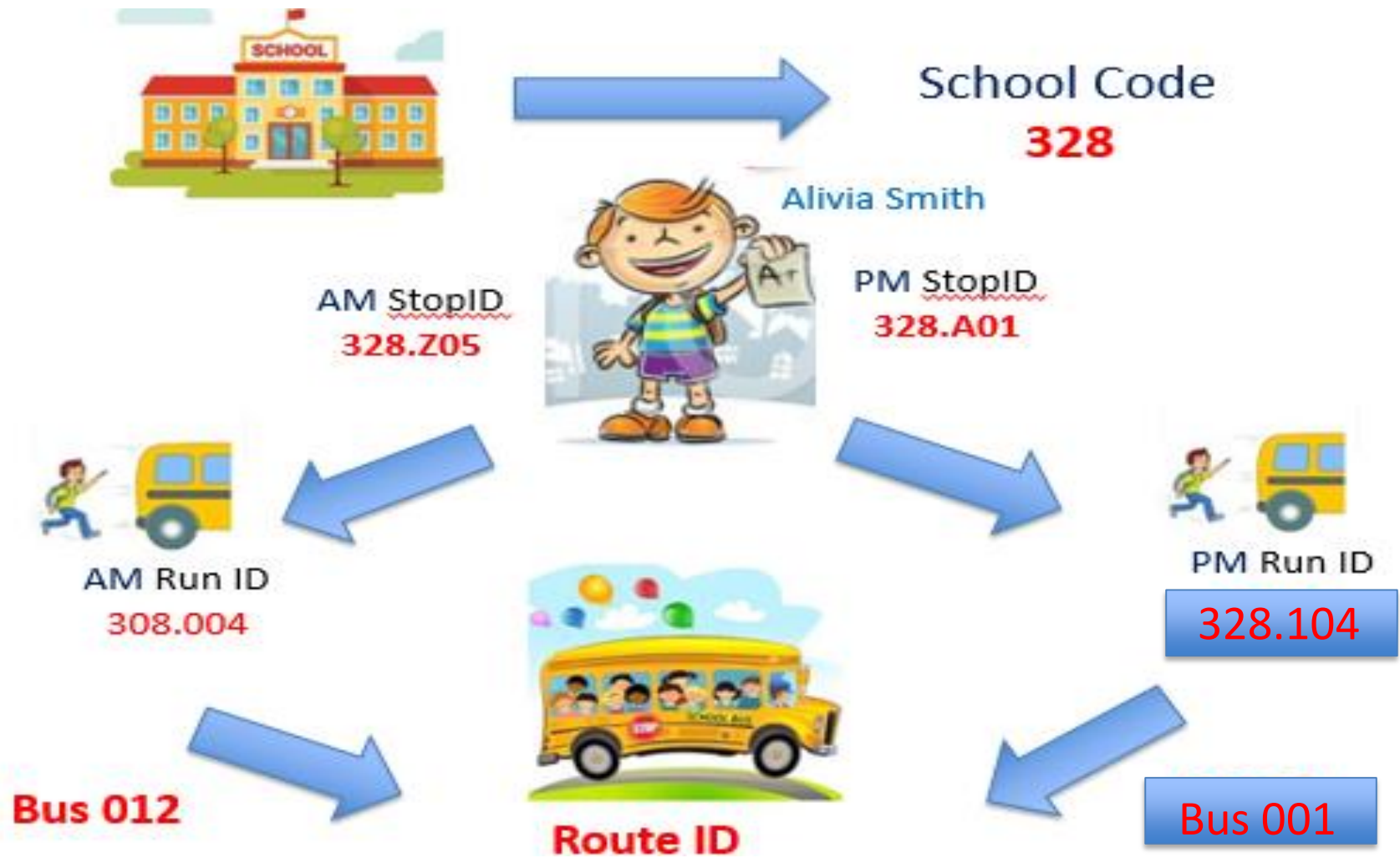
Feasible Runs

Bell Time	Stop Type	Frequency	Avl/Eff Fr...	Stop Time	Run ID	Route ID
8:05 AM	Pick Up	MTWUF--	MTWUF--			
3:10 PM	Drop Off	MTWUF--	MTWUF--	4:26 PM	328.104	001

Run ID Position

Emerald Hollow Mine

Hiddenite



Practice Time – Stops Tabular - MapView

Practice Time

Jones, Andrew
Jones, Dakota
Jones, Darby
Jones, Hailee
Jones, Holly
Jones, Hunter
Jones, Lane

Now assign the AM/PM stops to a Run using both
Stops Tabular and Runs Tabular.

eSQL - Stops Tabular Map View – De-assigning

De-assigning Stops

De-assigning Stops – Stops Tabular Map View

There is a quick link in Student Tabular to Stops Tabular.

Search Results 1 - 50 of 60

- SMITH, ADRIANA
- SMITH, ALBREY
- SMITH, ALIVIA
- SMITH, ANSLEY
- SMITH, ARIANA
- SMITH, AVA

Type	P/U Location	D/O Location	Stop Description	Time at Stop	Run Description	Route De
To School	128 FREEDOM DR	199 TAYLORSVI...				
From School	199 TAYLORSVI...	128 FREEDOM DR	128 FREEDOM DR	3:50 PM	001 PM EC	001 ACHS

Deassign in Stops Tablar

Stop Information

Stop ID: 328.A01 Government ID: School: 328 - TAYLORSVILLE ELEMENTARY SCHO

Location: 128 FREEDOM DR

Description: 128 FREEDOM DR

Comment:

Run Assignments

Bell Time	Stop Type	Assigned Avg.	Headcount Avg.	Stop Time	Run ID	Run Description	Rou
8:05 AM	Pick Up	0	0	6:25 AM	302.014	182 AM EC	182
3:10 PM	Drop Off	1	0	3:50 PM	328.104	001 PM EC	001

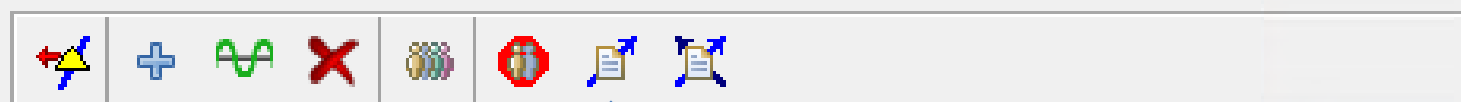
De-assigning Stops – Stops Tabular Map View

You can de-assign the stop from map view.

Or go to **Runs tabular** to de-assign stop.
Click on the Runs tabular icon.

Route tabular

Run Assignments



Bell Time	Stop Type	Frequen	Avl/Eff Fr...	Stop Time	Run ID	Route ID
8:05 AM	Pick Up	MTWUF--	MTWUF--			
3:10 PM	Drop Off	MTWUF--	MTWUF--	4:26 PM	328.104	001

Click on the **Runs tabular** icon.

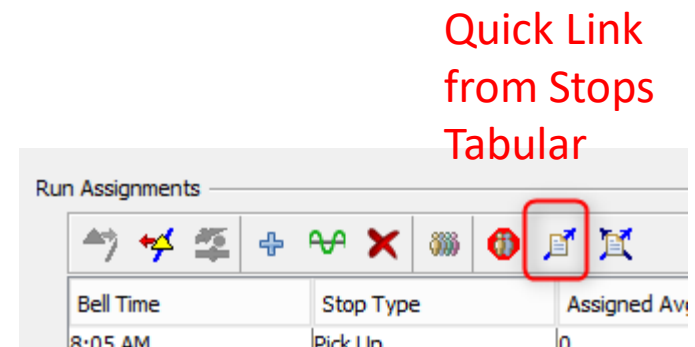
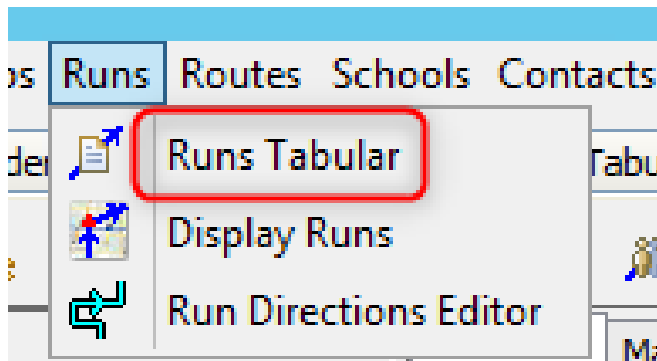
Understanding Runs and Working with Runs

eSQL - Runs Tabular

Runs Tabular

eSQL - Runs Tabular

You can access Runs Tabular from the main menu or use the quick link option from Stops Tabular.



eSQL - Runs Tabular



You can also de-assign, assign, reorder, include a checkpoint, change the time at a school and access passenger list.

Runs Tabular allows you to search, create, delete, rename, reverse & copy runs. You can also reprocess runs here. We will look at this later.

Stops on Run



You can access the run passenger list from this screen.

Run basic information

Run ID: 328.104 Description: 001 PM EC

Direction: From School Frequency: MTWUF-- Max. Load: 60

Comments:

Run Transportation Information

Start Time: 2:55 PM End Time: 5:11 PM

Total Time: 02:16 Actual Load: 19

Loaded Distance: 52.73 mi.

Stops on Run

Seq. #	Stop ID	Stop Description	Stop Load	Run Load
11	302.Z08	260 QUERY RD	1	12
12	328.Z02	STONY POINT SCHOOL RD & STONY ...	1	11
13	302.Z02	700 HUNTER BRIDGE RD	2	9
14	302.Z17	OLD CONCORD CHURCH RD & SAMIL...	1	8
15	302.Z08	115 JOHNNY MARTIN LN	1	7
16	302.Z06	45 PAYNES DAIRY RD	1	6
17	328.A01	FREEDOM DR. & LIBERTY CHURCH RD	1	5
18	306.Z04	1465 OLD CHARLOTTE RD	1	4
19	316.Z04	69 LITTLE ROUNDTOP DR	1	3
20	306.Z02	611 MCCLAIN RD	1	2
21	316.Z02	ERVIN LN CALLING ALL KIDS	1	1
22	316.Z05	DAVIS AUTO DR. & NC HWY 90	0	1
23	328.Z09	AIRPORT FARM LN & BOSTON RD	1	0
24	@CP.016	199 TAYLORSVILLE ELEMENTARY SC...	0	0

Routes for Run

Route ID	Route Description	Vehicle Name	Frequency	Slac

Working Set

302.114 - 182 PM EC
328.104 - 001 PM EC

eSQL - Runs Tabular



Run Basic Search

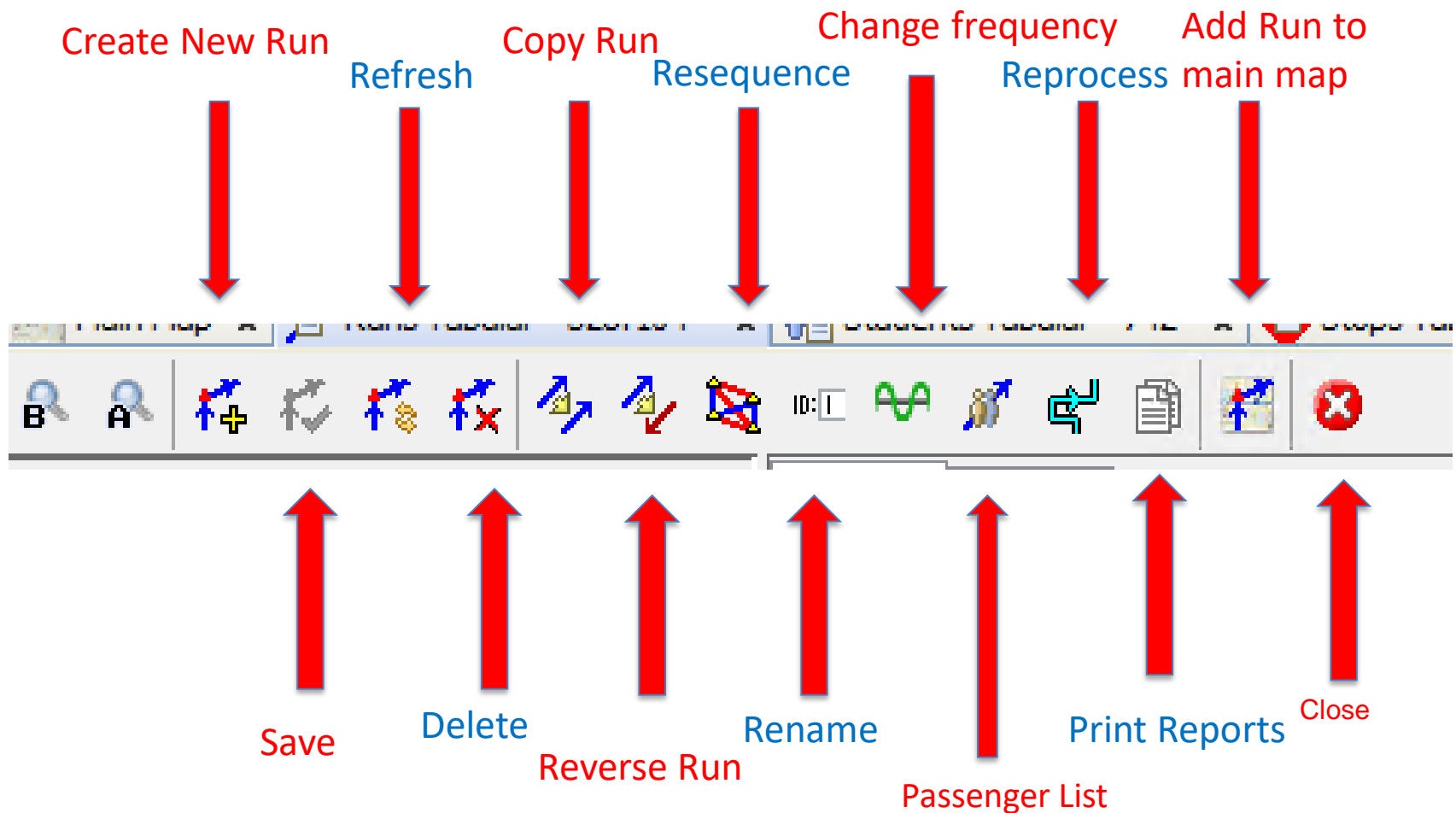
Run ID ID Range With Gaps Route ID Not Routed

Run ID:

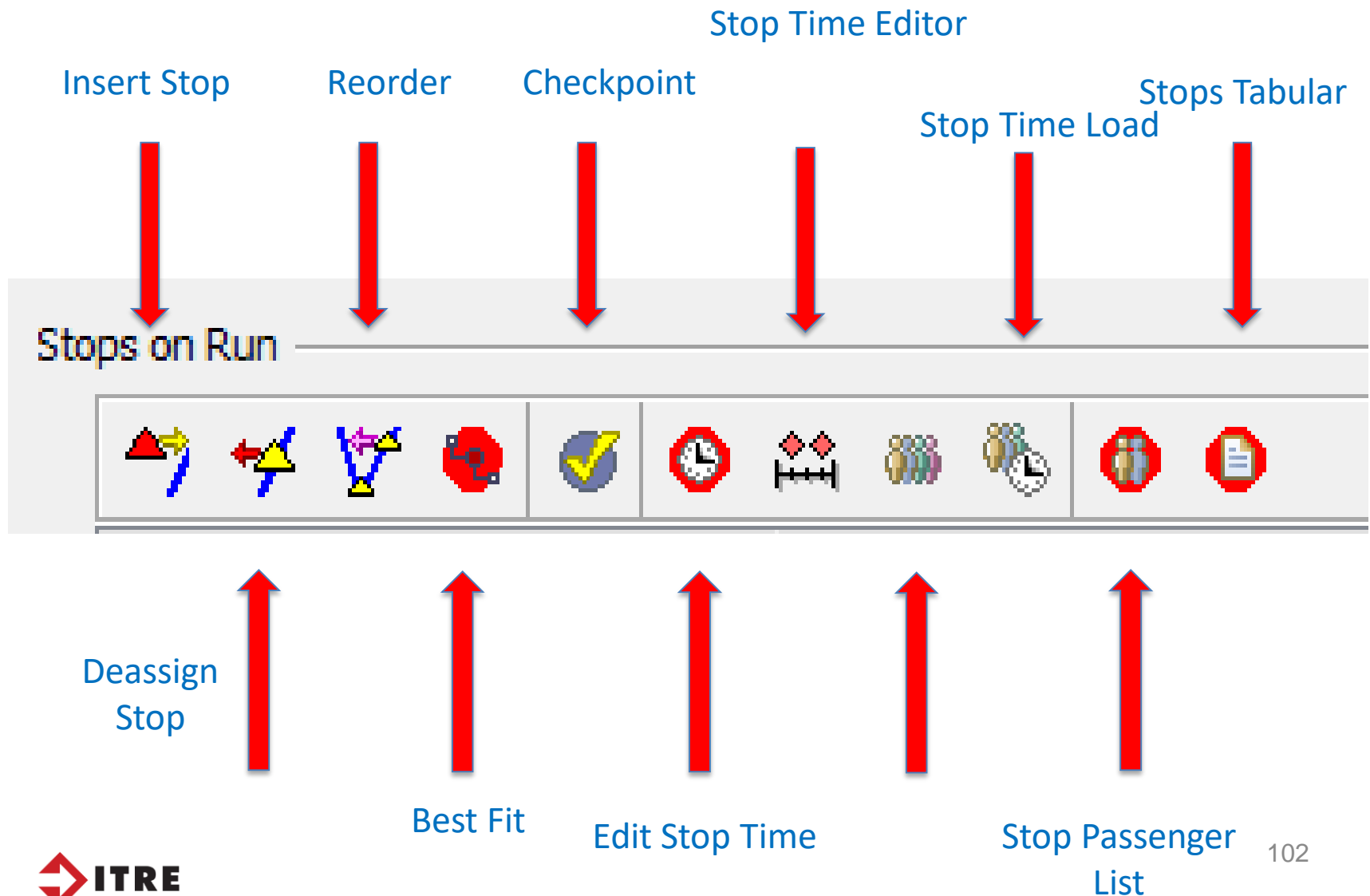
Search Cancel

The basic search tool works the same as the others.

eSQL - Runs Tabular



eSQL - Runs Tabular



eSQL - Runs Tabular



You can search your runs in Runs Tabular Basic Search or Advanced

Search your 304 AM runs.

Run Basic Search

Run ID ID Range With Gaps Route ID Not Routed

Run ID: 304.0

Search Cancel

eSQL - Runs Tabular

Lets take a look at Runs Tabular and the information that is listed.



Search Results 1 - 10 of 10

- 304.001 - 006 AM
- 304.002 - 189 AM
- 304.003 - 195 AM
- 304.004 - 171 AM
- 304.005 - 197 AM
- 304.101 - 006 PM
- 304.102 - 189 PM
- 304.103 - 195 PM
- 304.104 - 171 PM
- 304.105 - 197 PM

Info View **Map View**

Run Basic Information

Run ID: 328.104 Description: 001 PM EC Time Changed: 09/11/2020, 4:14:56 PM

Direction: From School Frequency: MTWUF-- Max. Load: 60 Max. Time: 90

Comments: Map Type: 0

Run Transportation Information

Start Time: 2:55 PM End Time: 5:01 PM School: 302 - ALEXANDER CENTRAL HIGH SCHOOL Bell Time: 3:05 PM

Total Time: 02:06 Actual Load: 19 School: 306 - EAST ALEXANDER MIDDLE SCHOOL Bell Time: 3:10 PM

Loaded Distance: 20043.62 mi. School: 306 - LEBANON ELEMENTARY SCHOOL Bell Time: 3:10 PM

Stops on Run

Seq. #	Stop ID	Stop Description	Stop Time	Stop Load	Run Load	DH (mm:ss)
1	328.000	SCHOOL: TAYLORSVILLE	2:55 PM	0	7	00:00
2	302.000	SCHOOL: ALEXANDER CENTRAL	3:15 PM	0	14	20:00
3	328.207	LEROY RD & POP DAVIS RD	3:21 PM	1	13	06:48
4	302.212	44 LEROY RD	3:23 PM	1	12	02:00
5	328.206	POP DAVIS RD & EASTSIDE MHP DR	3:24 PM	1	11	00:48

eSQL - Runs Tabular – Slack Time

Pull up Route ID 004

Look and see you there is any Slack time.

Search Results 1 - 3 of 3

316.003 - 005 AM
316.004 - 004 AM
316.104 - 004 PM

It looks like there is 3 mins slack time between the 2 - AM runs.

8	316.102	LU LUS DAYCARE	005 AM	4	19	03:36
9	316.014	6485 MILLERSVILLE RD	009 AM	3	22	01:18

Routes for Run

Route ID	Route Description	Slack (min.)	Vehicle Name	Frequency	Idle (min.)
004	004 HIDDENITE	3	004	MTWUF--	3

eSQL - Runs Tabular – Slack Time

Negative slack time can be fixed here or Route Timeline. You can change the time at the school.

Search Results 1 - 3 of 3

- 316.003 - 005 AM
- 316.004 - 004 AM
- 316.104 - 004 PM

Working Set

- 316.XAM - TO HIDDENITE ELEMENTARY SCHOC
- 328.104 - 001 PM EC
- 316.004 - 004 AM

Info View Map View

Run Basic Information

Run ID: 316.003 Description: 005 AM Time Changed: 08/22/2017, 11:49

Direction: To School Frequency: MTWUF-- Max. Load: 60 Max. Time: 90

Comments: Map Type: 0

Run Transportation Information

Start Time: 6:42 AM End Time: 7:30 AM School: 316 - HIDDENITE ELEMENTARY ... Bell Time: 8:05 AM

Total Time: 00:48 Actual Load: 52

Loaded Distance: 13.47 mi.

Stops on Run

Seq. #	Stop ID	Stop Description	Stop Time	Stop Load	Run Load	DH (mm:ss)
1	@CP.006	10 HIDDENITE ELEMENTARY S...	6:42 AM	0	0	00:36
2	316.028	PAUL PAYNE STOP	6:51 AM	4	4	09:12
3	316.015	MT WESLEY CHUR	6:54 AM	1	5	03:42
4	316.092	MT WESLEY CHUR	6:55 AM	1	6	00:36
5	316.060	171 MANOR LN	6:58 AM	5	11	02:54
6	316.098	KEEVER FARM DR	7:03 AM	2	13	05:30
7	316.044	115 OLD CHARLOT	7:04 AM	2	15	00:30
8	316.102	LU LUS DAYCARE	7:08 AM	4	19	03:36
9	316.014	6485 MILLERSVILLE	7:09 AM	3	22	01:18

Routes for Run

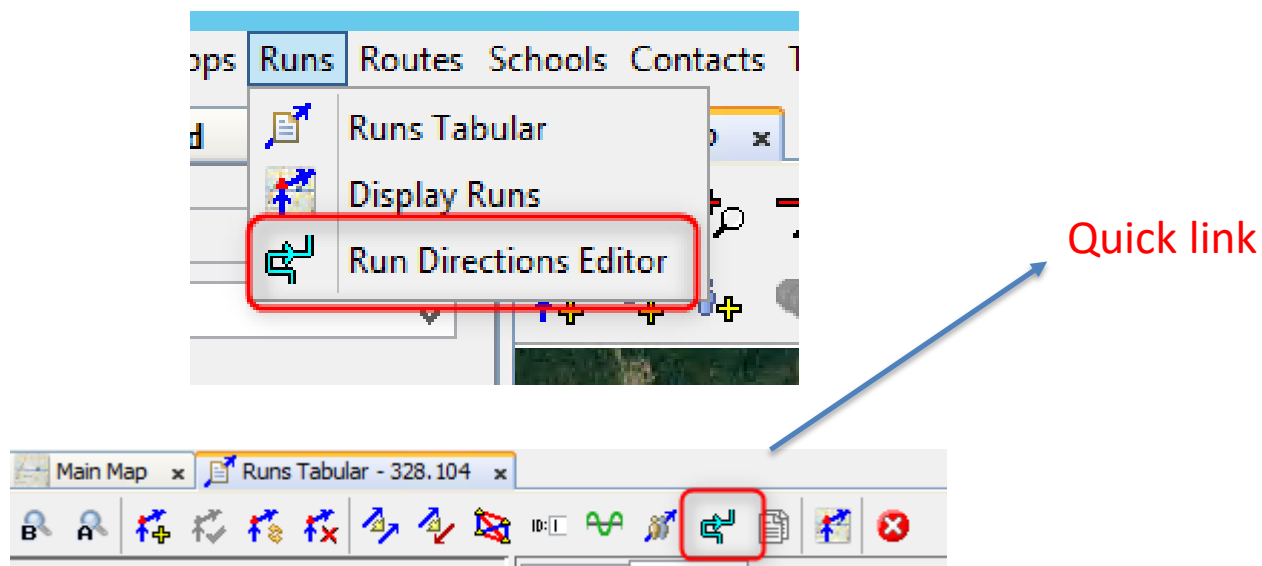
Route ID	Route Description	Slack (min.)	Vehicle Name	Frequency	Idle (min.)
004	004 HIDDENITE	3	004	MTWUF--	3

eSQL - Runs Tabular – Reprocess Runs

Reprocess Runs

eSQL – Runs Tabular – Reprocess Runs

You can only reprocess one run at the time using eSQL. You can reprocess from the Runs Tabular screen or your quick link. If you want to reprocess as a group you will need to use Launchpad.



eSQL – Runs Tabular – Reprocess Runs

The screenshot displays the eSQL software interface. On the left, the 'Search Results' panel shows a list of 10 results, with '304.003 - 195 AM' selected. Below this is the 'Working Set' panel. The central area is a map showing a dense green forest with a cluster of blue and yellow markers. The right panel contains 'Run Information' and 'Run Directions'. The 'Run Information' section includes fields for Run ID (304.003), Bell Time (8:00 AM), Begin Time (6:14 AM), End Time (7:30 AM), Vehicle Name (195), Direction (To School), School (304 - BETHLEHEM ELEMENTARY SCHC), and Description (195 AM). The 'Run Directions' section shows a list of directions, with a red box highlighting the 'Reprocess' button (a circular arrow icon). Below the directions is an 'Options' section with checkboxes: 'Delete existing on auto-generate' (checked), 'Recalculate stop times on save/generate' (checked), 'Generate for all covers' (unchecked), and 'Show deadheads' (checked). A large red arrow points to the 'Show deadheads' checkbox.

eSQL – Runs Tabular – Reprocess Runs

- Always reprocess runs after making changes. If you don't reprocess your stop times and your distance traveled will not be correct.

Runs Tabular – Reprocess Runs - Errors

2 Reasons a Run will not process

1. The stop is on a no travel road
2. The stop is located on a travel road but you can't access it because of a maris error.

Runs Tabular – Map View

Map View

Runs Tabular – Map View

Click on Map View

The screenshot shows the ITRE software interface. The top window bar includes tabs for 'Main Map', 'Students Tabular - 742', 'Stops Tabular - 328.A01', and 'Runs Tabular - 328.104'. The 'Runs Tabular - 328.104' window is active, showing a 'Map View' tab selected. The interface is divided into sections for 'Run Basic Information', 'Run Transportation Information', and 'Stops on Run'.

Run Basic Information:

- Run ID: 328.104
- Description: 001 PM EC
- Direction: From School
- Frequency: MTWUF--
- Max. Load: 60
- Comments:

Run Transportation Information:

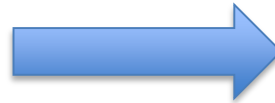
- Start Time: 2:55 PM
- End Time: 5:01 PM
- Total Time: 02:06
- Actual Load: 19
- Loaded Distance: 20043.62 mi.

Stops on Run:

Seq. #	Stop ID	Stop Description	Stop Time
1	328.000	SCHOOL: TAYLORSVILLE	2:55 PM
2	302.000	SCHOOL: ALEXANDER CENTRAL	3:15 PM
3	328.207	LEROY RD & POP DAVIS RD	3:21 PM
4	302.212	44 LEROY RD	3:23 PM
5	328.206	POP DAVIS RD & EASTSIDE MHP DR	3:24 PM
6	328.208	E MAIN AVE & CREST KNOLLS DR	3:26 PM
7	328.201	243 E MAIN AVE	3:26 PM
8	306.000	SCHOOL: EAST ALEXANDER MIDDLE	3:34 PM

Runs Map View

Here you can pull up all stops available
stops, school stops or create a new stop.



Info View Map View

Stops on Run

Seq. #	Stop ID	Stop Description	Stop Time	Stop Load	Run Load	Frequency	DH (mm:ss)
1	328.000	SCHOOL: TAYLOR...	2:55 PM	0	7	MTWUF--	00:00
2	302.000	SCHOOL: ALEXAN...	3:15 PM	0	14	MTWUF--	20:00
3	328.Z07	LEROY RD & POP D...	3:21 PM	1	13	MTWUF--	06:48
4	302.Z12	44 LEROY RD	3:23 PM	1	12	MTWUF--	02:00
5	328.Z06	POP DAVIS RD & E...	3:24 PM	1	11	MTWUF--	00:48

Displayed Available Stops

Stop ID

Runs

- 328.104 - 001 PM EC
- 0: 328.000 - SCHOOL: TAYLOR
- 1: 328.000 - SCHOOL: TAYLOR
- 2: 302.000 - SCHOOL: ALEXA
- 3: 328.Z07 - LEROY RD & POF
- 4: 302.Z12 - 44 LEROY RD
- 5: 328.Z06 - POP DAVIS RD &
- 6: 328.Z08 - E MAIN AVE & CF
- 7: 328.Z01 - 243 E MAIN AVE
- 8: 306.000 - SCHOOL: EAST
- 9: 316.000 - SCHOOL: HIDE
- 10: 306.Z09 - 260 QUERY RD
- 11: 302.Z08 - 260 QUERY RD
- 12: 328.Z02 - STONY POINT S
- 13: 302.Z02 - 700 HUNTER BF
- 14: 302.Z17 - OLD CONCORD
- 15: 302.Z08 - 115 JOHNNY M

Runs Map View

You can de-assign, assign, re-order stops etc from the map view.

Stops on Run

Seq. #	Stop ID	Stop Description	Stop Time	Stop Load	Run Load	Frequency	DH (mm:ss)
1	328.000	SCHOOL: TAYLOR...	2:55 PM	0	7	MTWUF--	00:00
2	302.000	SCHOOL: ALEXAN...	3:15 PM	0	14	MTWUF--	20:00
3	328.Z07	LEROY RD & POP D...	3:21 PM	1	13	MTWUF--	06:48
4	302.Z12	44 LEROY RD	3:23 PM	1	12	MTWUF--	02:00
5	328.Z06	POP DAVIS RD & E...	3:24 PM	1	11	MTWUF--	00:48

Displayed Available Stops

Stop ID	Stop Description	Stop Load
328.009	59 4TH ST NE	0
328.029	73 GRAPEVINE CIR	0
328.043	131 HAMMER RD	2
328.045	190 4TH ST NE	0

Runs

- 328.104 - 001 PM EC
- 0: 328.000 - SCHOOL:
- 1: 328.000 - SCHOOL:
- 2: 302.000 - SCHOOL:
- 3: 328.Z07 - LEROY RD
- 4: 302.Z12 - 44 LEROY
- 5: 328.Z06 - POP DAVI:
- 6: 328.Z08 - E MAIN AV
- 7: 328.Z01 - 243 E MAI
- 8: 306.000 - SCHOOL:
- 9: 316.000 - SCHOOL:
- 10: 306.Z09 - 260 QUE
- 11: 302.Z08 - 260 QUE

Practice

Stupid 328.A01 was accidentally assigned to an EC bus. De-assign the stop from the run and re-assign it a run that is NOT EC.

Note: If EC and Regular routes are in the same dataset I recommend you naming the EC runs with a unique pattern.

De-assign the current AM stop from Adriana and assign stop id 328.A01. Then assign that stop to the most feasible run.

Practice

The following students need AM stop assignments

- .. 12501964 - ARNETTE, NATHANIEL
- .. 1537568 - BARCENAS, MARISOL
- .. 6566268243 - BARNES, LANEY
- .. 12509303 - BEAL, CONNOR
- .. 12201896 - BENFIELD, SAMUREL
- .. 2953542698 - BENNETT, MALACHI
- .. 12509425 - BENTLEY, GAVIN
- .. 3719583414 - BERRONG, BRODY
- .. 9532361723 - BIDDY, KALEB
- .. 3544637316 - BOSTIAN, AVA
- .. 12690690 - BOWMAN, CARTER
- .. 1211852547 - BOWMAN, ELANA
- .. 1721751548 - BOWMAN, KLAIRE

You can use an existing stop if it is less than .20 of a mile.

If not, please create a new stop.

Assign the student to the stop, assign stop to a run.

Make sure you don't put the stop on an EC bus.

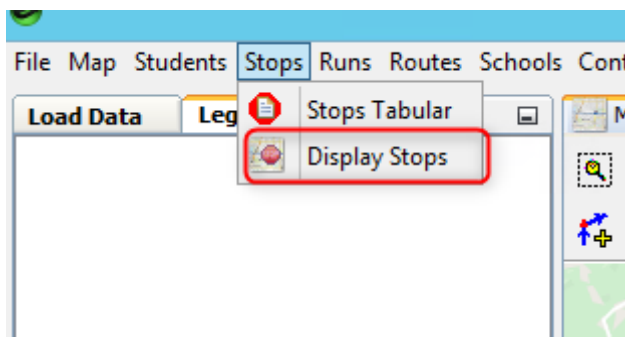
Working with Students, Stops and Runs on the MAIN MAP

Assigning Stops to a Run – Main Map View

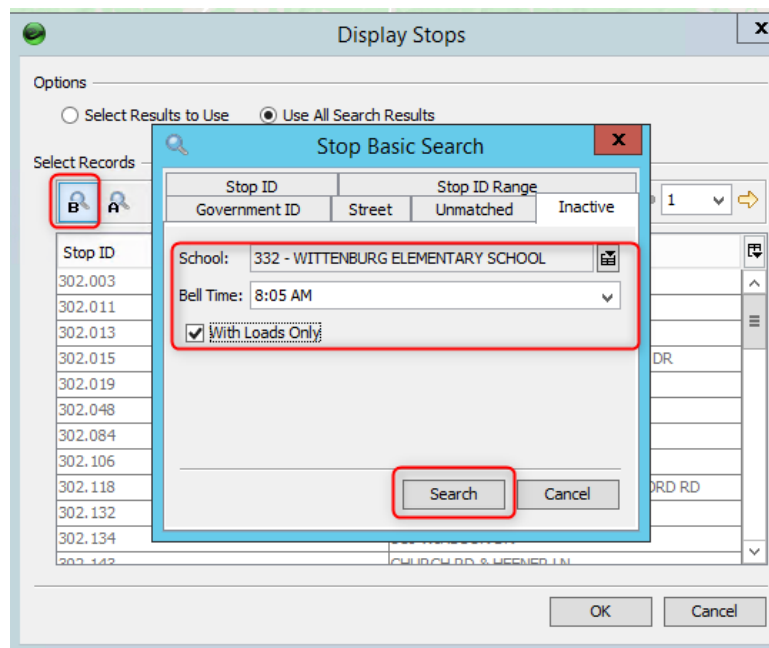
Main Map View: Legend and Display options

Display the Stop – Main Map View

1. Display Stop



2. School 332 Bell Time AM with Loads only. (Inactive, Basic Search)



Display the Stop – Main Map View

Legend



Property Tab



Stops Panel:

- Stops
 - Active Stops
 - 332.019 - CROUCH RD & PATRICK DR (Selected)
 - 332.073 - HOUSTON LOOP & CHURCH
 - Inactive Stops
 - 332.070 - CROSSROADS GRILL

Property Tab:

Stop ID: 332.019

School: 332 - WITTENBURG ELEMENTARY

Location: CROUCH RD & PATRICK DR

Description: CROUCH RD & PATRICK DR

Government ID:

Comments:

☐ Right Side ☒ Available

☐ Tran Needs ☐ Home Stop

Time Changed: 11/30/2016, 9:40:12 AM

Run Assignments

Bell Time	Stop Type	Assigned Avg.	
8:05 AM	Pick Up	2	0
3:10 PM	Drop Off	2	0

Needs Required by Selected Stop Service Passengers

STUDENT REQUIRES SPECIAL NEED:

Wheelchair:

Display the Stop – Main Map View

Stops ☒

Active Stops ☒

332.019 - CROUCH RD & PATRICK D ☒ ☒

332.073 - HOUSTON LOOP & CHURC ☒ ☒

Inactive Stops ☒

332.070 - CROSSROADS GRILL ☒ ☒

Lets assign the 332.070 AM stop to a 332 Run. I do not know what run will work best so I will display all of them.

Runs Display.

Options

☒ Select Results to Use ☐ Use All Search Results

Select Records

B **A**

Run ID

Run ID Range With Gaps Route ID Not Routed

Run ID: 332.0

Search Cancel

Select Run Display Type

☒ Crow's Flight ☐ Run Directions

Display the Stop – Main Map View

The screenshot displays a GIS application interface. On the left, a list of stops is shown under the 'Runs' section. The stop '332.070 - CROSSROADS' is highlighted. A context menu is open over this stop on the map, with the 'Zoom to Item' option selected and highlighted by a red rectangle. The map on the right shows a network of roads and stops, with a cluster of stops in the lower right area.

Runs

- 332.001 - 175 AM
- 1: @CP.018 - 199 V
- 2: 332.018 - DEALS
- 3: 332.001 - J S LN & MILLERSVII
- 4: 332.004 - OLD LANDFILL RD &
- 5: 332.008 - OLD LANDFILL RD &
- 6: 332.011 - 1811 OLD LANDFILL
- 7: 332.069 - 1315 OLD LANDFILL
- 8: 332.007 - B B RENTALS MHP &
- 9: 332.022 - MACEDONIA CHURC
- 10: 332.031 - MACEDONIA CHUF
- 11: 332.061 - CHAROLAIS LN & C
- 12: 332.005 - GLADE CREEK ACR
- 13: 332.041 - 283 OLD LANDFILL

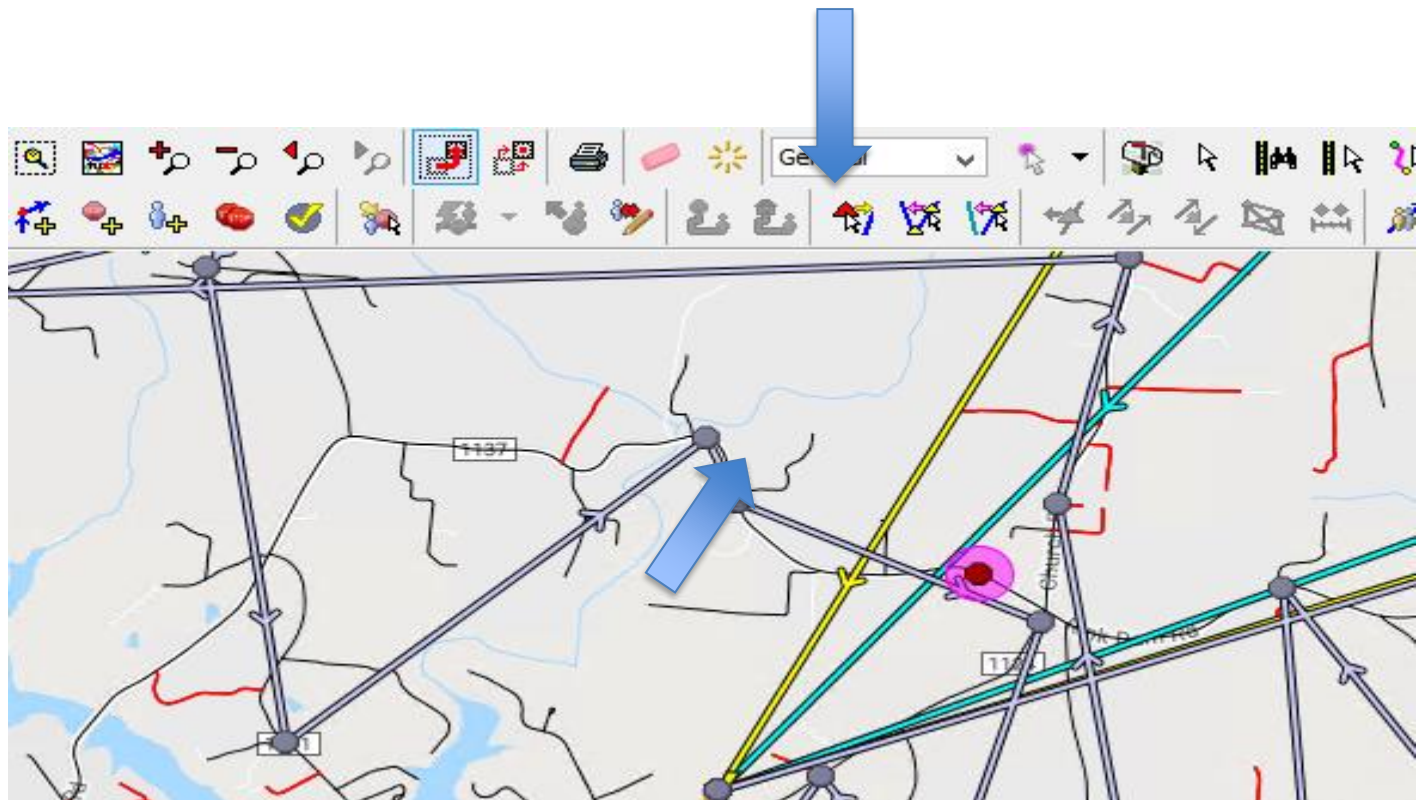
Context Menu:

- Zoom to Item
- Remove Item From Map
- Hide Item
- Hide All Other Items
- Edit Item Display Attribute

Display the Run – Main Map View

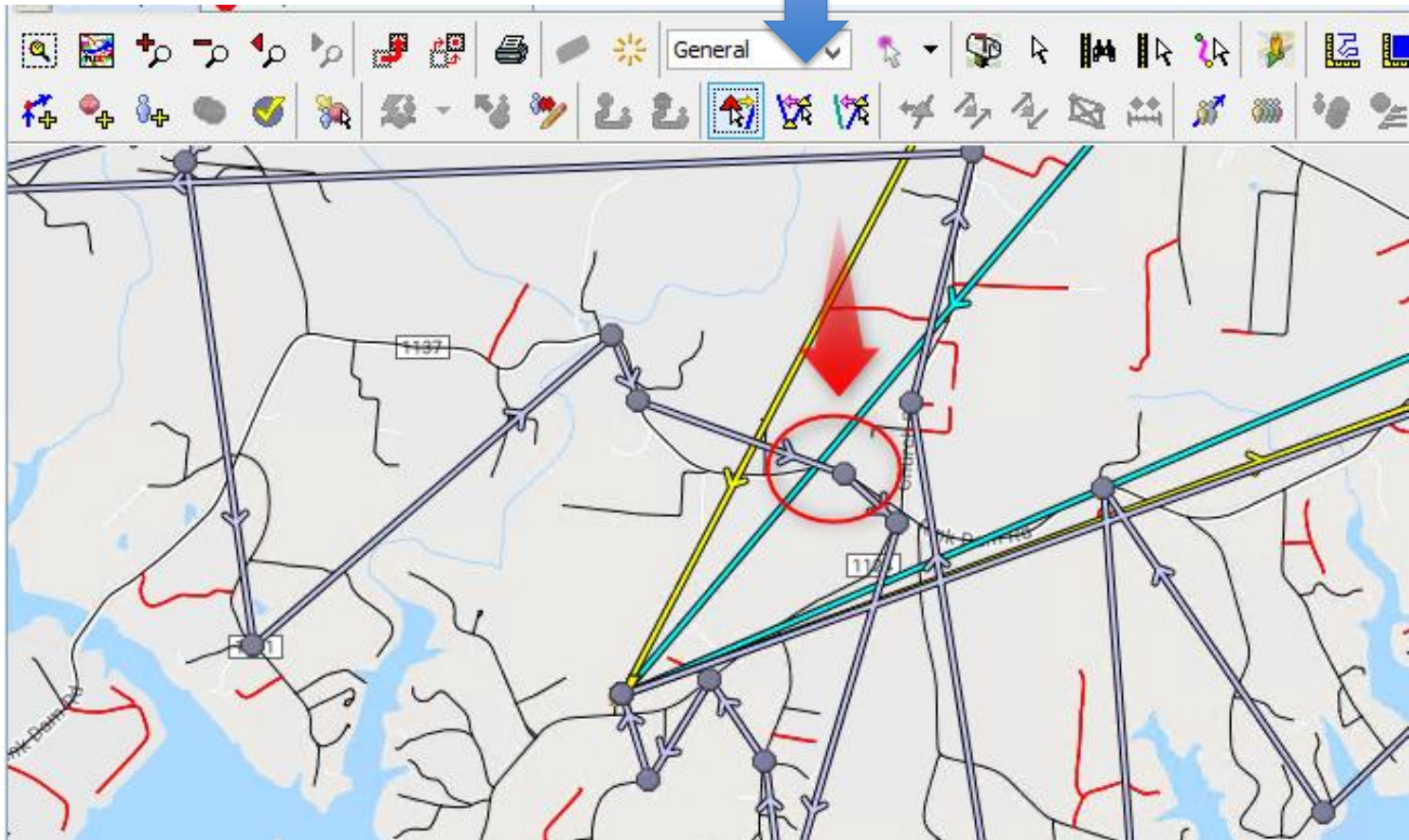
It looks like the grey run is already going down the road the stop is located on.

Select the stop and click on the assign stop to run icon. Drag stop to toward the grey run.



Display the Run – Main Map View

You can move the stop position on this run or to a different run.



Display the Run – Main Map View

You can click on the run, under the legend and see detailed information in the Property tab. It has Bus#, Assigned Load, Bell Time, Sequence # etc. You can also open runs tabular for the property tab.

Legend

- 15: 332.045 - ALSPAUGH DAM RI
- 16: 332.037 - JIMMY SHOOK LN
- 17: 332.068 - 915 ALSPAUGH DA
- 18: 332.056 - 1076 ALSPAUGH D
- 19: 332.021 - 584 MCALPIN LN
- 20: 332.017 - CHURCH RD & SAV
- 21: 332.000 - SCHOOL: WITTEN
- 332.003 - 158 AM**
- 1: @CP.018 - 199 WITTENBURG
- 2: 332.006 - FOX HOLLOW DR & ✓
- 3: 332.015 - 197 CANOE LN ✓
- 4: 332.032 - 55 MEADOWRIDGE ✓
- 5: 332.016 - 1030 LAKE VISTA LN ✓
- 6: 332.034 - RINK DAM RD & COI ✓
- 7: 332.025 - 144 MILLER POINT I ✓
- 8: 332.033 - DEAL FARM LN & PE ✓
- 9: 332.036 - CHURCH RD & MARI ✓
- 10: 332.064 - FRIENDSHIP RIDGI ✓
- 11: 332.038 - LIBERTY LN & TEA ✓
- 12: 332.010 - OF BOWMAN LN & ✓
- 13: 332.047 - 227 TIFFANY LN ✓
- 14: 332.039 - 522 B T LN ✓
- 15: 332.027 - 4845 RINK DAM RE ✓
- 16: 332.062 - 5030 RINK DAM RE ✓
- 17: 332.070 - CROSSROADS GRI ✓

Properties

Item 1 of 1

Run ID: 332.003

Description: 158 AM

Direction: To School

Frequency: MTWUFW--

Max Load: 60

Max. Time:

Comments:

Map Type: 0

Start Time: 5:58 AM

End Time: 7:30 AM

Total Time: 01:31

Actual Load: 38

Route: 158 - 158 WITTENBURG

Bus #: 158

Slack: 0

Idle: 0

Time Changed: 09/10/2020, 12:54:57 PM

School Bell Time




332 - WITTENBURG E... 8:05 AM

Run Services

Seq. #	Stop ID	Stop Description
1	@CP.018	199 WITTENBU...
2	332.006	FOX HOLLOW ...
3	332.015	197 CANOE LN

Display the Run – Main Map View

Practice assigning 332.019 & 332.073 to a AM run.

<input checked="" type="checkbox"/> Stops	<input checked="" type="checkbox"/>
<input checked="" type="checkbox"/> Active Stops	<input checked="" type="checkbox"/>
332.019 - CROUCH RD & PATRICK D	<input checked="" type="checkbox"/> 
332.073 - HOUSTON LOOP & CHURC	<input checked="" type="checkbox"/> 
<input checked="" type="checkbox"/> Inactive Stops	<input checked="" type="checkbox"/>
332.070 - CROSSROADS GRILL	<input checked="" type="checkbox"/> 

Display the Run – Main Map View

Practice moving the following stops:

Stop# 332.085, 332.052, 332.023 to Run# 332.003



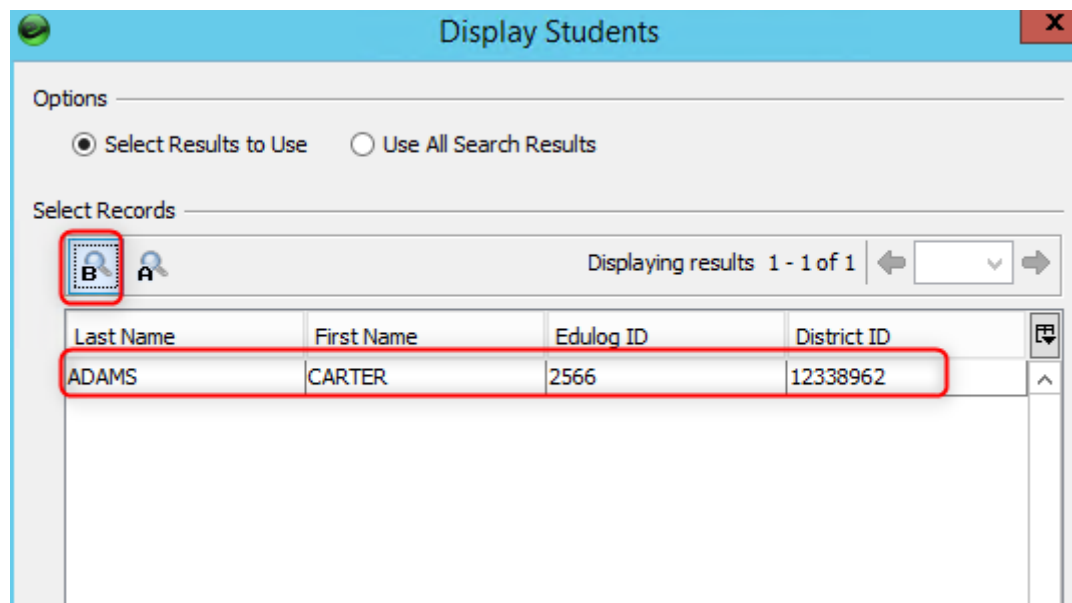
Display the Run – Main Map View

- Advantages of the Main Map View
 - You can see what runs are a better fit.
 - You have more control over where the stop is inserted in the run.
 - More information at your fingertips by using the legend and property windows.

Assigning Students – Main Map

Assigning students can be done individually or as a group.

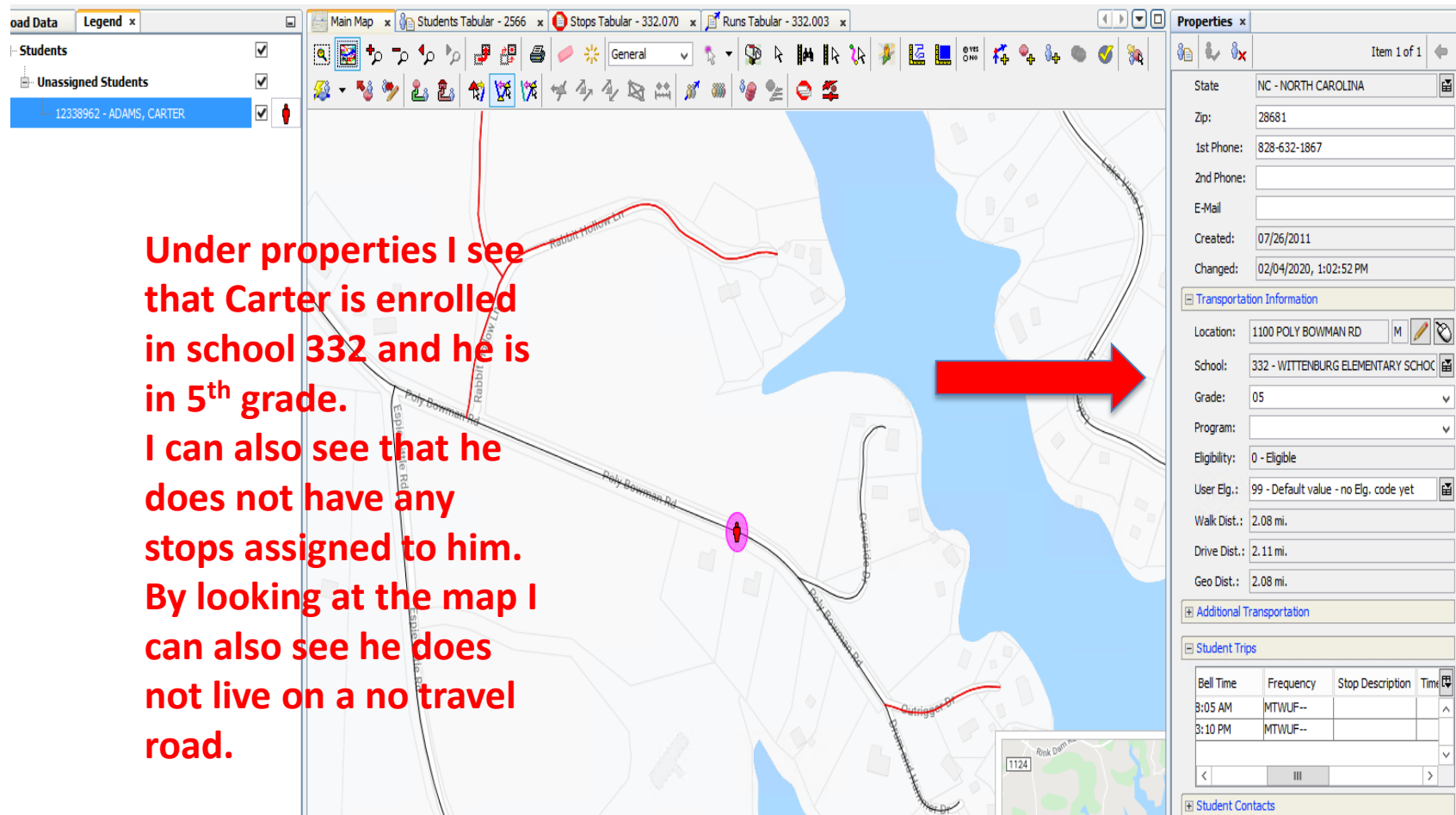
Display student:
Carter Adams



The screenshot shows a window titled "Display Students" with a close button (X) in the top right corner. Below the title bar is a section labeled "Options" containing two radio buttons: "Select Results to Use" (which is selected) and "Use All Search Results". Below this is a section labeled "Select Records" which includes a search bar with a magnifying glass icon and a dropdown menu. To the left of the search bar are two icons: a blue square with a white 'B' and a blue circle with a white 'A'. The search bar contains the text "Displaying results 1 - 1 of 1". Below the search bar is a table with four columns: "Last Name", "First Name", "Edulog ID", and "District ID". The table contains one row of data: "ADAMS", "CARTER", "2566", and "12338962". A red rectangle highlights the entire row of data. To the right of the table is a vertical scrollbar.

Last Name	First Name	Edulog ID	District ID
ADAMS	CARTER	2566	12338962

Assigning Students – Main Map



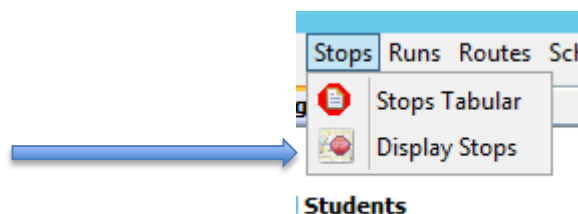
Under properties I see that Carter is enrolled in school 332 and he is in 5th grade. I can also see that he does not have any stops assigned to him. By looking at the map I can also see he does not live on a no travel road.

Properties Panel:

- State: NC - NORTH CAROLINA
- Zip: 28681
- 1st Phone: 828-632-1867
- 2nd Phone:
- E-Mail:
- Created: 07/26/2011
- Changed: 02/04/2020, 1:02:52 PM
- Transportation Information**
 - Location: 1100 POLY BOWMAN RD M
 - School: 332 - WITTENBURG ELEMENTARY SCHOC
 - Grade: 05
 - Program:
 - Eligibility: 0 - Eligible
 - User Elig.: 99 - Default value - no Eig. code yet
 - Walk Dist.: 2.08 mi.
 - Drive Dist.: 2.11 mi.
 - Geo Dist.: 2.08 mi.
- Additional Transportation**
- Student Trips**

Bell Time	Frequency	Stop Description	Time
8:05 AM	MTWUF--		
3:10 PM	MTWUF--		
- Student Contacts**

Assigning Students – Main Map



I want to see if there is a stop already created for this address.

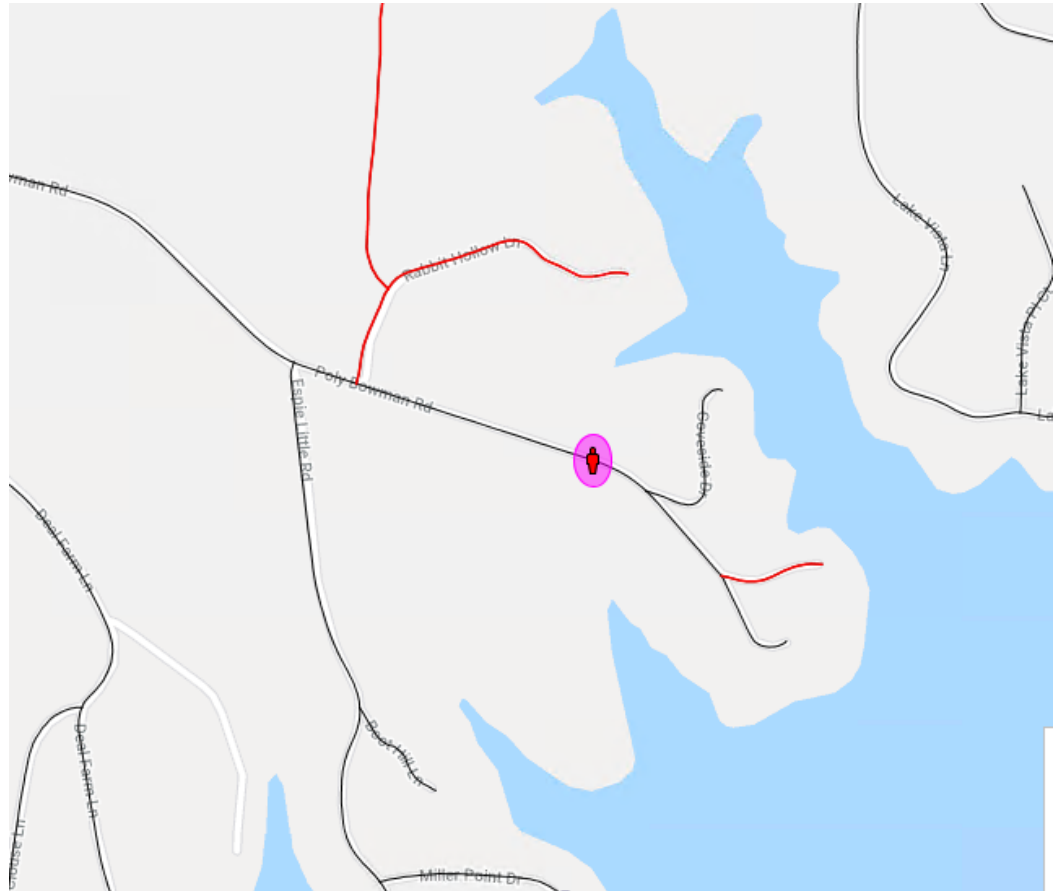
A screenshot of a 'Stop Basic Search' dialog box. It has tabs for 'Government ID', 'Street', 'Unmatched', and 'Inactive'. The 'Government ID' tab is selected, showing a 'Stop ID' field with the value '332.'. There are 'Search' and 'Cancel' buttons at the bottom.

A screenshot of a search results window. It has two radio buttons: 'Select Results to Use' and 'Use All Search Results'. Below is a table with two columns: 'Stop ID' and 'Stop Description'. The table displays 11 rows of results. At the bottom are 'OK' and 'Cancel' buttons.

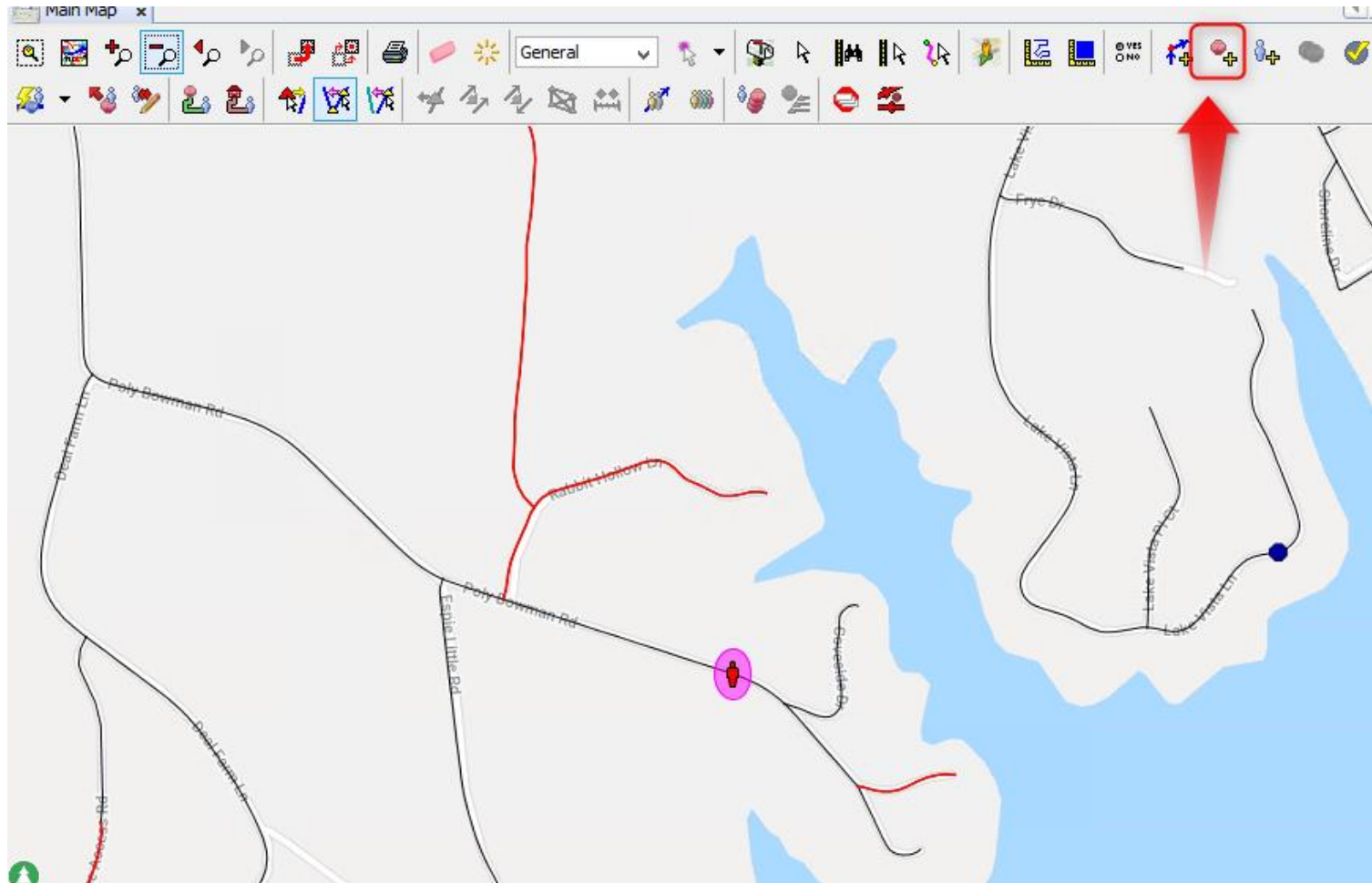
Stop ID	Stop Description
332.000	SCHOOL: WITTENBURG
332.001	J S LN & MILLERSVILLE RD
332.002	2303 OLD LANDFILL RD
332.003	PAYNES DAIRY RD & HAYDEN LACKEY LN
332.004	OLD LANDFILL RD & MIRANDA DR
332.005	GLADE CREEK ACRES MHP DR & OLD LANDFILL RD
332.006	FOX HOLLOW DR & FRIENDSHIP CHURCH RD
332.007	B B RENTALS MHP & CROUCH RD
332.008	OLD LANDFILL RD & WARREN ACRES LN
332.009	6634 CHURCH RD
332.010	OF BOWMAN LN & BOWMANS CUTOVER RD
332.011	1811 OLD LANDFILL RD

Assigning Students – Main Map

There is not a stop
near his house so
I will need to
create a new stop.



Assigning Students – Main Map



Assigning Students – Main Map

You can digitize the new stop or type it in.

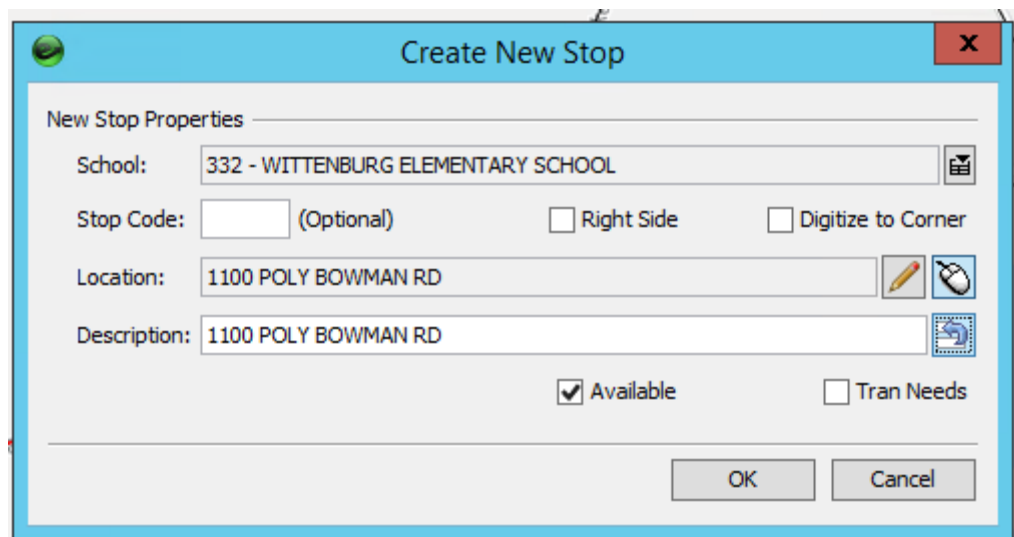
The image shows a software interface for assigning students. On the left, a 'Create New Stop' dialog box is open over a map. The dialog has a title bar with a green icon and a close button. It contains the following fields and options:

- New Stop Properties**
 - School: -- Select School -- (dropdown menu)
 - Stop Code: (text field) (Optional)
 - ☐ Right Side
 - ☐ Digitize to Corner
 - Location: (text field) [Digitize] [Type] (icons)
 - Description: (text field) [Save] (icon)
 - ☒ Available
 - ☐ Tran Needs
- Buttons: OK, Cancel

On the right, the 'Transportation Information' section of a form is visible. It contains the following fields:

- Zip: 28681
- 1st Phone: 828-632-1867
- 2nd Phone: (empty)
- E-Mail: (empty)
- Created: 07/26/2011
- Changed: 02/04/2020, 1:02:52 PM
- Transportation Information**
 - Location: 1100 POLY BOWMAN RD [M] [Digitize] [Type] (icons)
 - School: 332 - WITTENBURG ELEMENTARY SCHO [Save] (icon)
 - Grade: 05 (dropdown)
 - Program: (empty) (dropdown)
 - Eligibility: 0 - Eligible
 - User Elg.: 99 - Default value - no Elg. code yet [Save] (icon)
 - Walk Dist.: 2.08 mi.
 - Drive Dist.: 2.11 mi.
 - Geo Dist.: 2.08 mi.
- Additional Transportation** (expandable section)

Assigning Students – Main Map



Create New Stop

New Stop Properties

School: 332 - WITTENBURG ELEMENTARY SCHOOL

Stop Code: (Optional) ☐ Right Side ☐ Digitize to Corner

Location: 1100 POLY BOWMAN RD

Description: 1100 POLY BOWMAN RD

☒ Available ☐ Tran Needs

OK Cancel

Assigning Students – Main Map

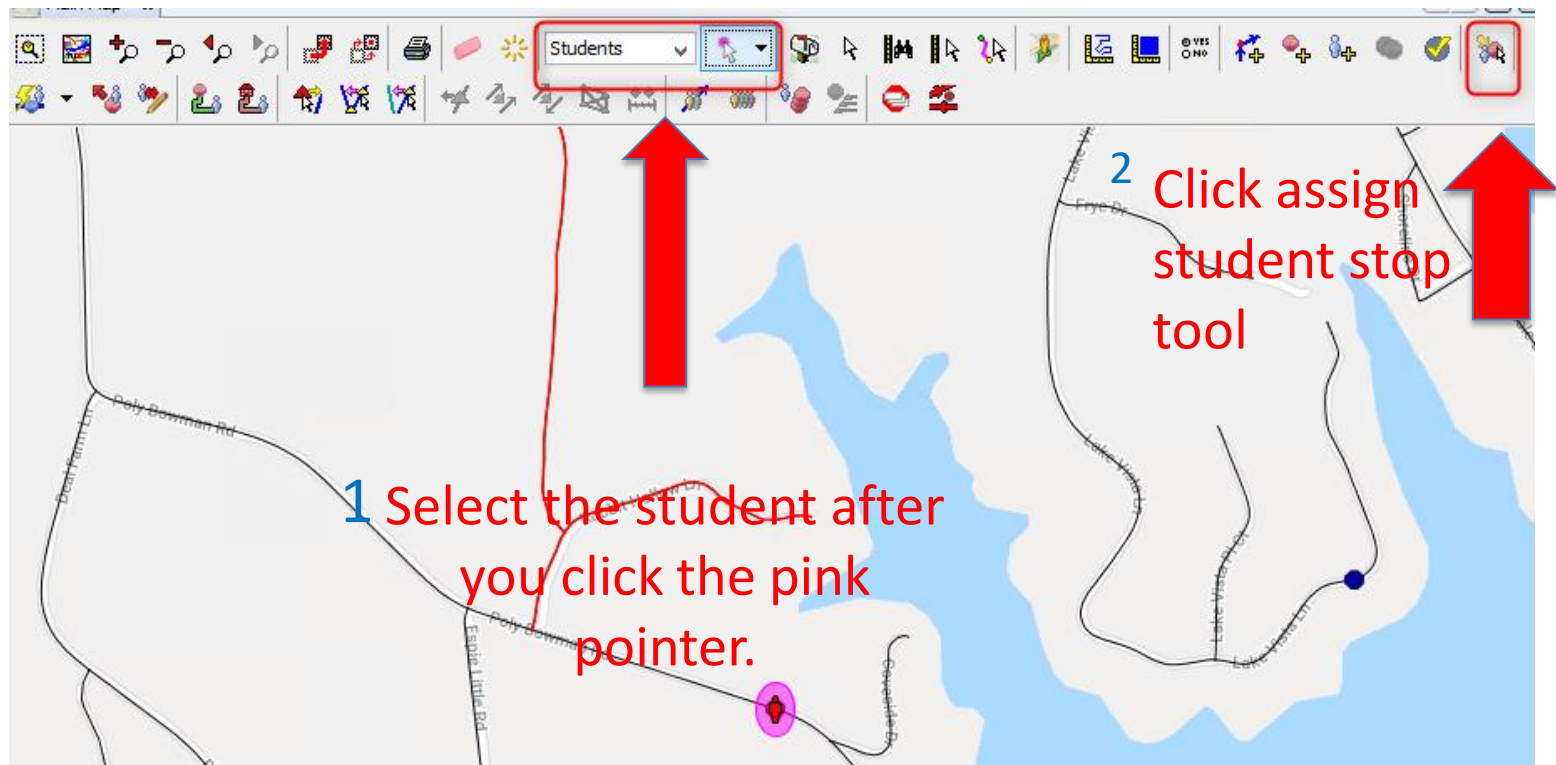
In the legend the new stop 332.063 will be displayed as red. It is not assigned to anyone at this time

The screenshot shows a map application interface. On the left is a list of stops, each with a checkbox and a color-coded dot. The stop 332.063 is highlighted in blue. Below the list is a section for 'Inactive Stops'.

Stop ID	Stop Name	Assigned	Status
332.065	CROUCH RD & WILLIAMS AND	✓	Active
332.068	915 ALSPAUGH DAM RD	✓	Active
332.069	1315 OLD LANDFILL RD	✓	Active
332.070	CROSSROADS GRILL	✓	Active
332.072	381 COUNTY HOME RD	✓	Active
332.073	HOUSTON LOOP & CHURCH R	✓	Active
332.078	HOOT OWL RD & PINE TREE R	✓	Active
332.079	5668 NC HWY 16 S	✓	Active
332.080	7242 CHURCH RD	✓	Active
332.082	ISENHOUR PARK RD & ISENH	✓	Active
332.083	MOSS DR & TAYLORSVILLE BE	✓	Active
332.085	39 STAN DE LA DR	✓	Active
332.086	6953 CHURCH RD	✓	Active
332.088	SHORTY MILLER RD & WITTEN	✓	Active
332.063	1100 POLY BOWMAN RD	✓	Inactive

The map on the right shows a road network with a red line indicating the route for stop 332.063. The map includes labels for roads such as 'Poly Bowman Rd', 'Couch Rd', 'Miller Point Dr', and 'Globe Ln'. A scale bar at the bottom indicates a map width of 1.11 miles.

Assigning Students – Main Map



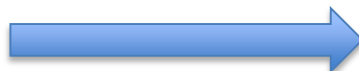
3 Then drag student to stop.

Assigning Students – Main Map



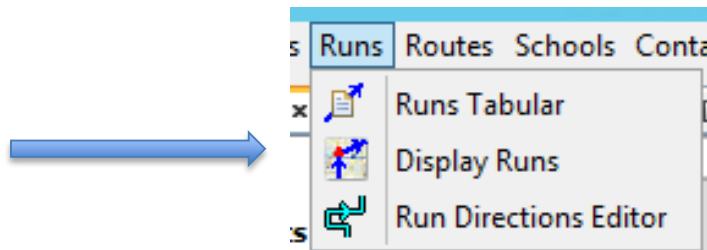
Once the stop is assigned the student will turn blue.

If you assign a stop from the main map view it will automatically assign it both AM & PM.

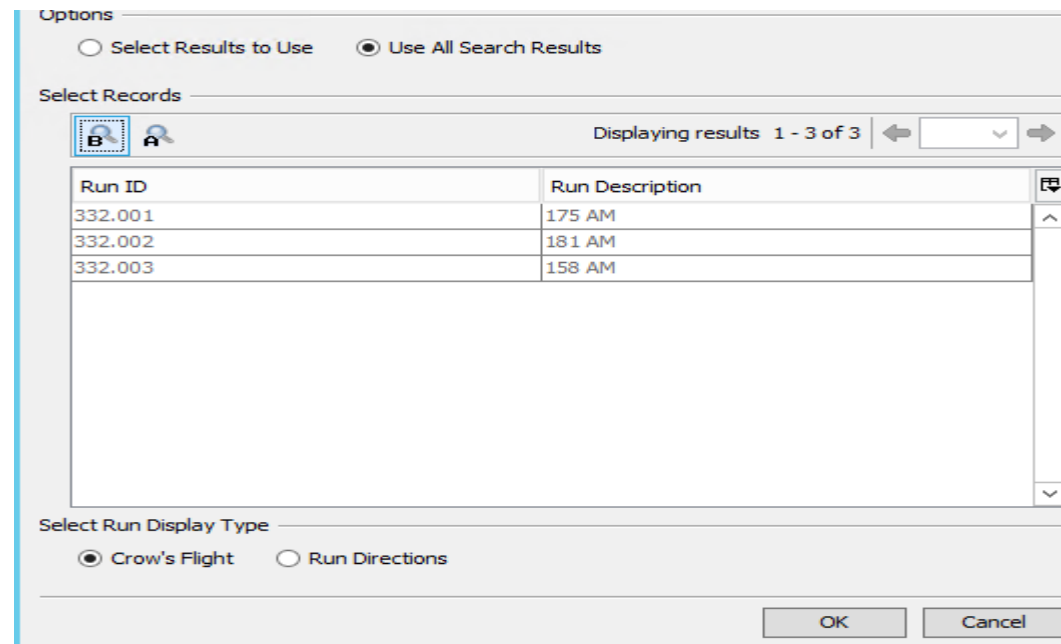
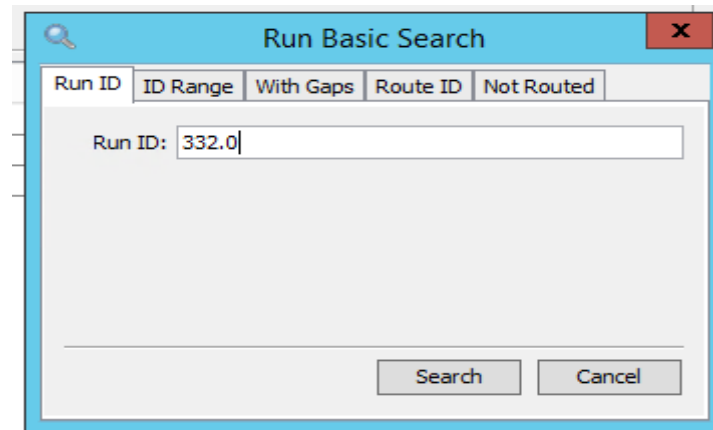


Student Trips			
Location	Bell Time	Frequency	Stop ID
WITTEN...	8:05 AM	MTWUF--	332.063
POLY ...	3:10 PM	MTWUF--	332.063

Assigning the stop to a Run – Main Map

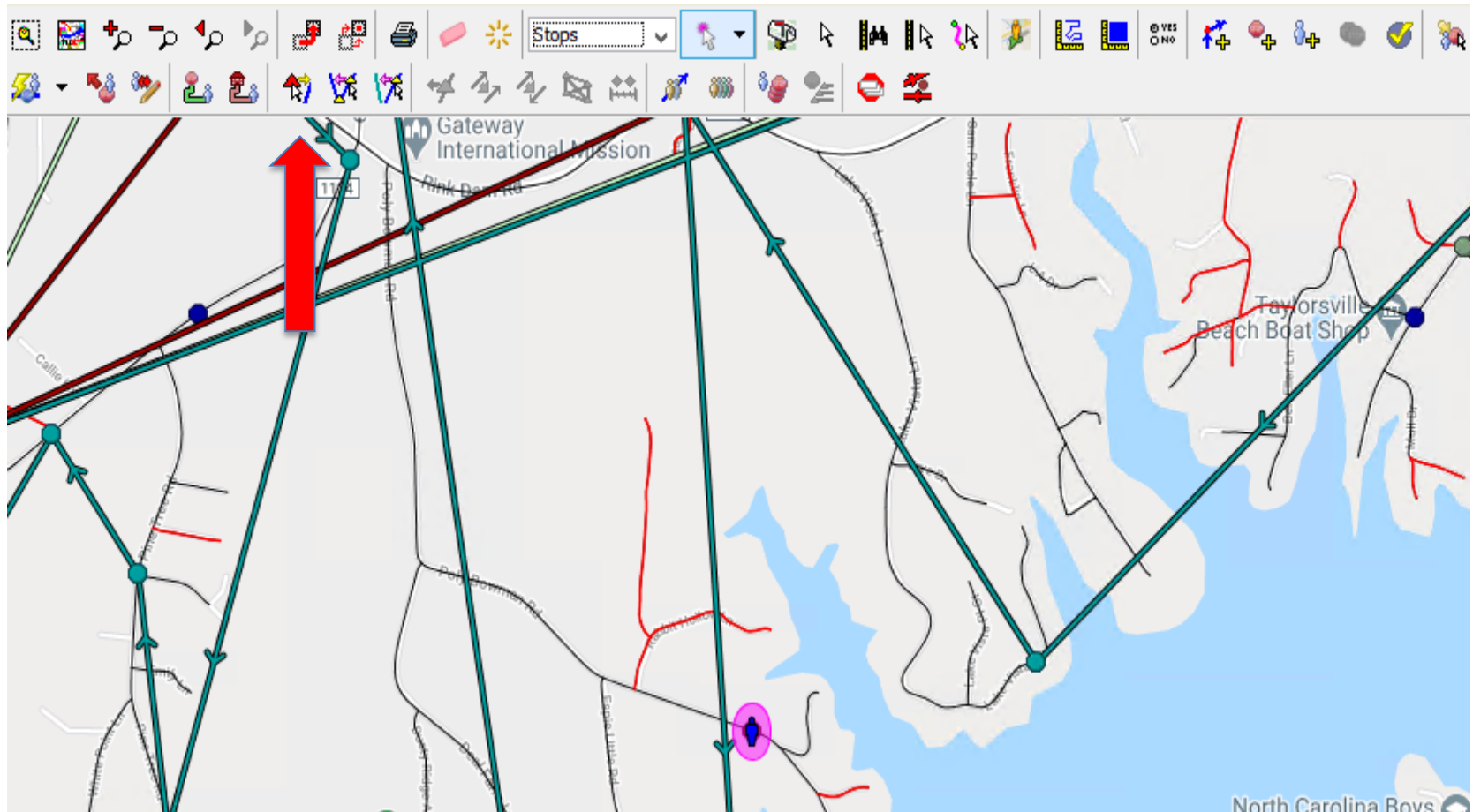


Display AM
Runs for
School 332



Assigning the stop to a Run – Main Map

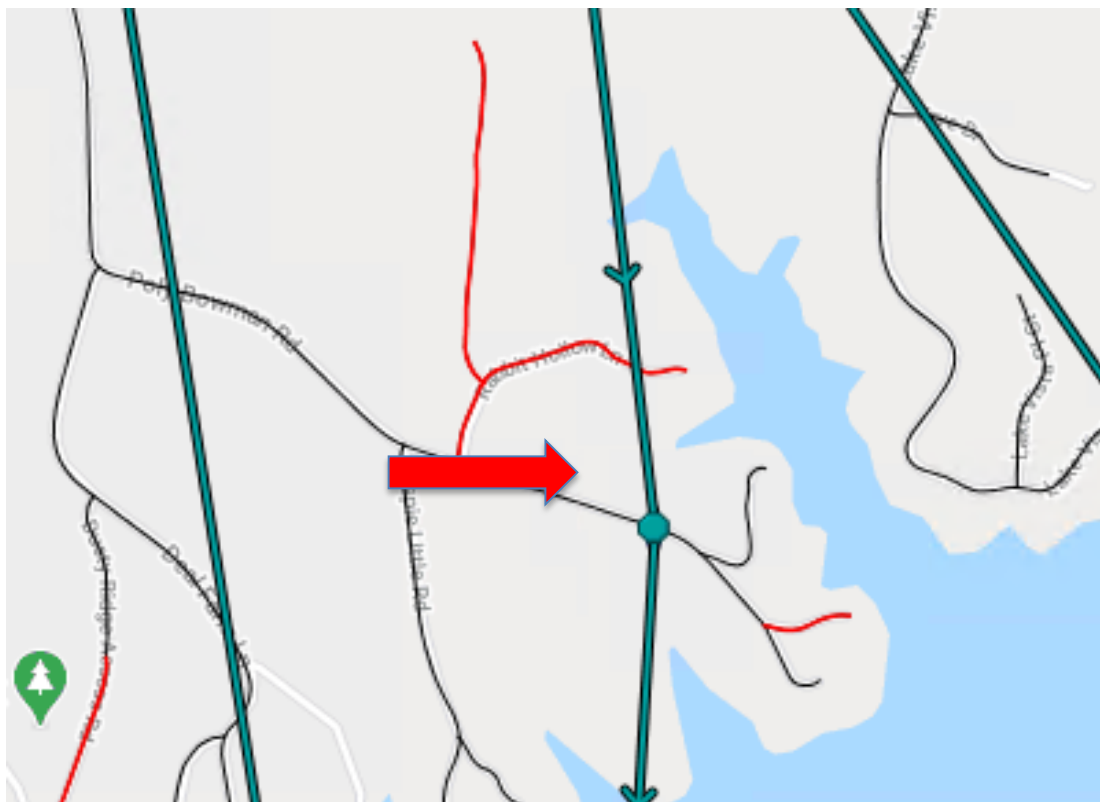
Select Stop, click on the pink pointer and insert stop on run.
Drag the stop toward the run you wish to assign it to.



Assigning the stop to a Run – Main Map

Once the stop is assigned it will turn the color of the other stops on the run.

Don't forget to assign it to the PM run.



eSQL – Main Map

Batch Assign Main Map

eSQL – Batch Assign – Main Map

Legend **Load Data x**

School: 302 - ALEXANDER CENTRAL HIGH SCHOOL

Bell Time: 8:00 AM

☒ **Unassigned Student Trips** **Go**

☒ Only Students Eligible for Transportation

Eligibility: 0 - Eligible

☐ Include Special Ed. / IEP Students

☐ Include Students with Trans. Needs

☐ Include Inactive Student Trips

☐ Include Potential Stops

Student Trips

- 11908676 - ABERNATHY, BRYSON
- 1388898 - ACEITUNO, DEREK
- 1388505 - ACEITUNO, JARED
- 11912943 - ADAMS, DAWSON
- 11912029 - ADAMS, KAYLYN
- 11911920 - ADAMS, RYAN
- 11912040 - ADAMS, SUMMER

I want to load all the unassigned students for school 302 for the AM Trip.

☒

☒ 

☒ 

☒ 

☒ 

☒ 

☒ 

☒ 

The Legend will display who the students are.



eSQL – Batch Assign – Main Map

Display Stops

Options
☒ Select Results to Use ☐ Use All Search Results

Select Records
 B A
 Displaying results 1 - 50 of 368

Stop ID	Stop Description
302.000	SCHOOL: ALEXANDER CENTRAL
302.001	MEADOWVIEW LN & SPRING POINTE DR
302.002	977 HUCKLEBERRY RIDGE RD
302.003	6TH AVE NW & 6TH ST NW
302.004	DUSTY RD & PERRY FOX LN
302.005	1111 LIBERTY CHURCH RD
302.006	311 DOCK CONNOLLY LN
302.007	W MAIN AVE & 7TH ST NW
302.008	6453 PAUL PAYNE STORE RD
302.009	6930 VASHTI RD
302.010	GWALTNEY RD & NC HWY 90
302.011	1492 BOSTON RD

OK Cancel

Now I will display stops for school 302 because that was the school I had displayed students for.

302.Z10 - 1921 FRIENDSHIP CHURCH RD

302.Z12 - 44 LEROY RD

302.Z13 - HUNTERS RIDGE RD & LILEDOWN RD

302.Z17 - OLD CONCORD CHURCH RD & SAMILYN LN

Inactive Stops

302.003 - 6TH AVE NW & 6TH ST NW

302.011 - 1492 BOSTON RD

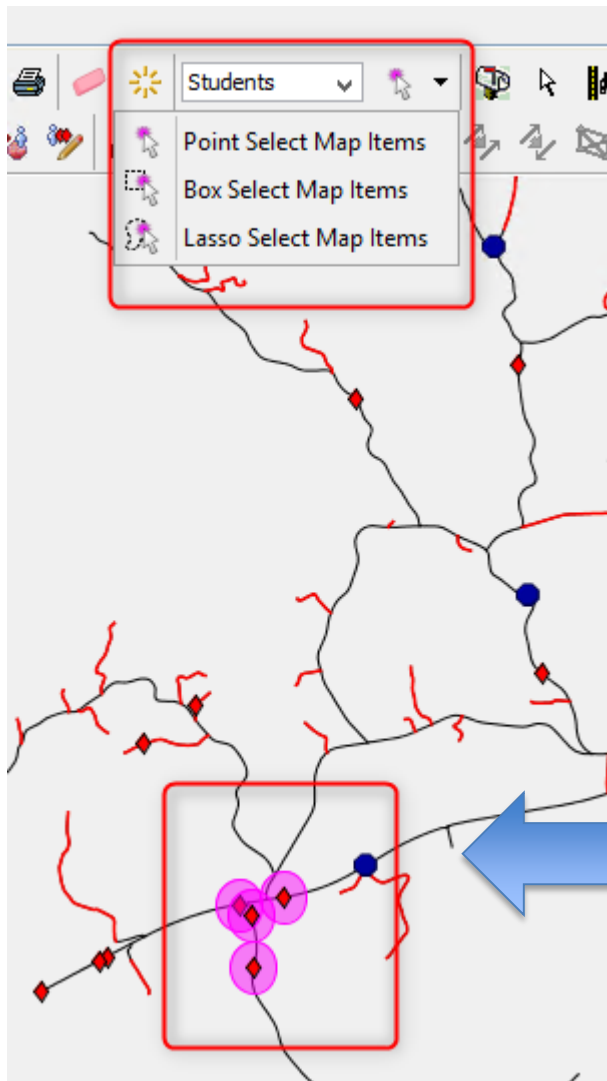
302.015 - KIPLING DR & WITTENBURG SPRINGS DR

302.019 - 146 WATERSIDE DR



It will list both active and inactive stops.

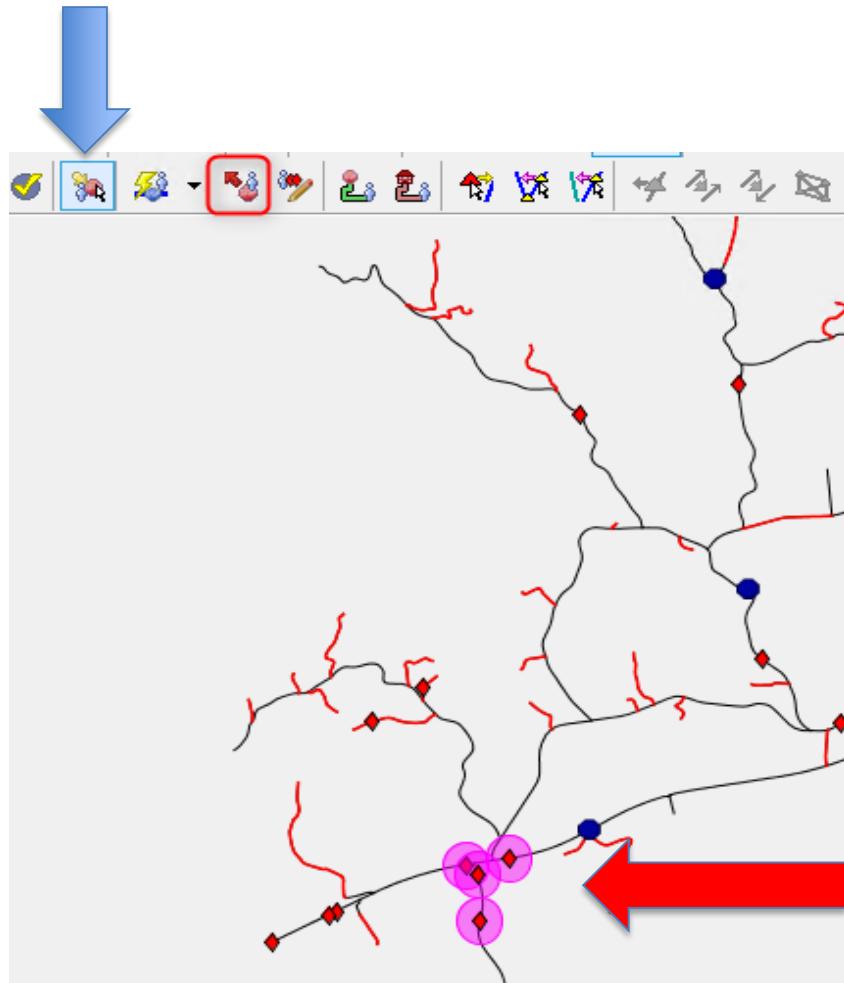
eSQL – Batch Assign – Main Map



You can select as many students as you want to assign to a stop.

Here I have selected a group of students I will assign to the blue stop near them.

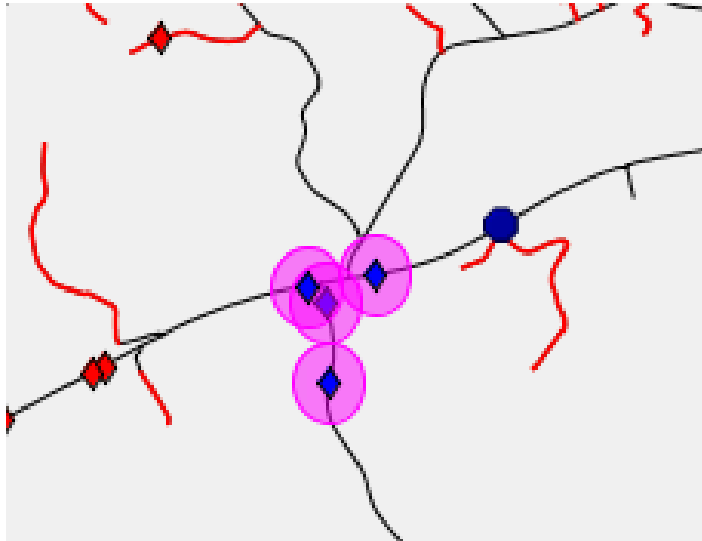
eSQL – Batch Assign – Main Map



Click the assign stop tool and drag selected students to stop. Note you can not set a assign distance so be careful.

You can change the color and shape of what is displayed on the main map.

eSQL – Batch Assign – Main Map

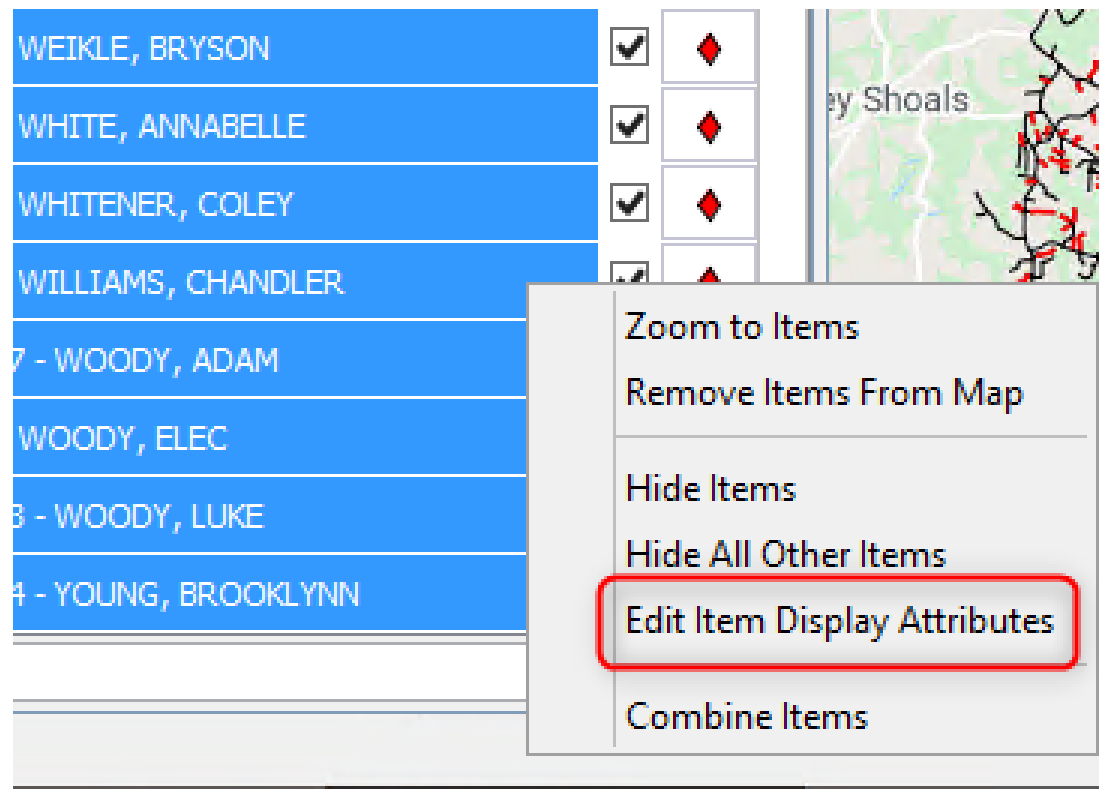


Students will turn blue when assigned.

They will also change from unassigned (red) to assigned in blue on your legend. They will automatically be assigned both AM & PM.

Students	<input checked="" type="checkbox"/>
Assigned Trips	<input checked="" type="checkbox"/>
11912870 - COOPER, PAIGE	<input checked="" type="checkbox"/>
11909805 - JOHNSON, LAINEY	<input checked="" type="checkbox"/>
12591164 - WALTER, ALEXIS	<input checked="" type="checkbox"/>
11909793 - ANDERSON, AUSTIN	<input checked="" type="checkbox"/>

eSQL – Main Map - Attributes



eSQL – Main Map - Attributes

I don't like the diamond shape for the students. You can change shape, color and size by right clicking on the student. You can change one student or select all students and change them all at once.

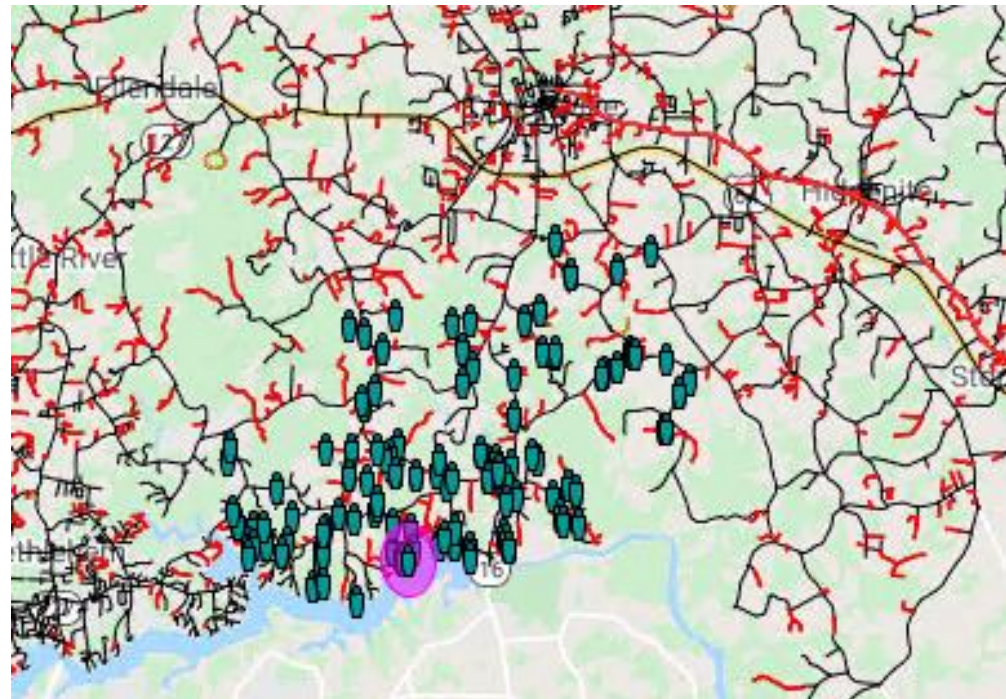
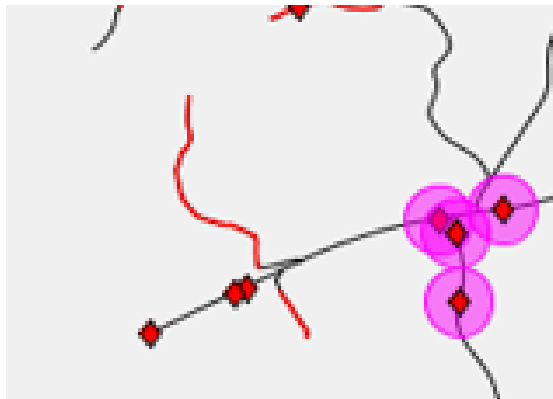
The screenshot displays the eSQL Main Map interface. On the left, a list titled "Student Trips [School: 332, Bell Time: 8:]" shows a table of student data. Each row includes a student ID, name, and a red diamond icon. The "Student Trips" header is highlighted in blue. On the right, a map shows the same red diamond icons plotted on a geographical area. An "Attribute Editor" dialog box is open over the map, allowing users to modify the attributes of the selected student. The dialog box has a "Sample" preview area showing a red diamond, a "Size" slider, a "Color" selection area, and a list of shapes on the right. The shapes list includes various geometric shapes like squares, diamonds, triangles, circles, stars, and polygons. The "Attribute Editor" dialog box has "OK" and "Cancel" buttons at the bottom.

Student ID	Student Name	Shape
1397354461	ANDERSON, BAYDIN	Red Diamond
9361439391	ANDRAS, MACI	Red Diamond
12338256	ANDRAS, TORI	Red Diamond
7342654841	BARLOW, ALLISON	Red Diamond
12526759	BARLOW, EMILY	Red Diamond
8742846749	BARLOW, MADISON	Red Diamond
12521396	BEAL, CARSON	Red Diamond
8714976218	BEAL, KATIE	Red Diamond
9141355768	BENGE, KAYCLYNN	Red Diamond
12330933	BICKFORD, ALEXIS	Red Diamond
12735872	BLALOCK, RACHEL	Red Diamond
12521071	BOLICK, LANCE	Red Diamond
12704061	BOSTIAN, ELLA	Red Diamond
12338403	BREDEN, CAYDEN	Red Diamond
12521257	BREWSTER, ALEEYAH	Red Diamond
1976790	BYERS, NAKAYJA TAMIA	Red Diamond
1961183	BYRD, ISAAC	Red Diamond

eSQL – Main Map - Attributes

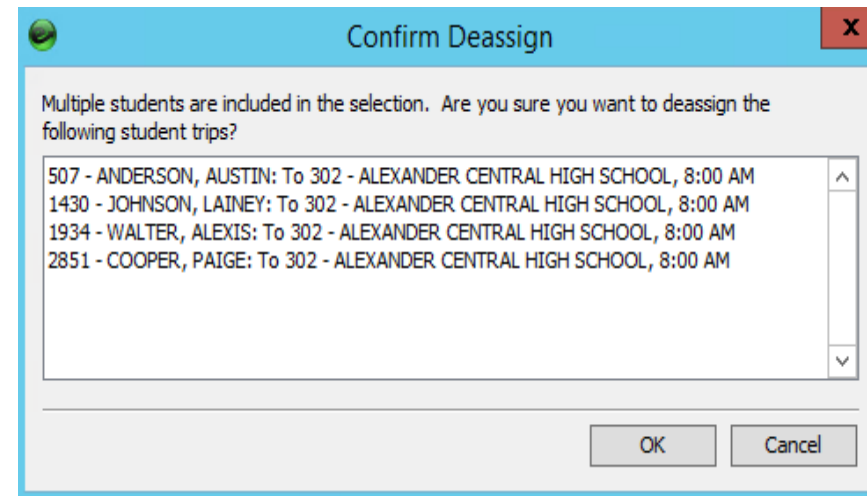
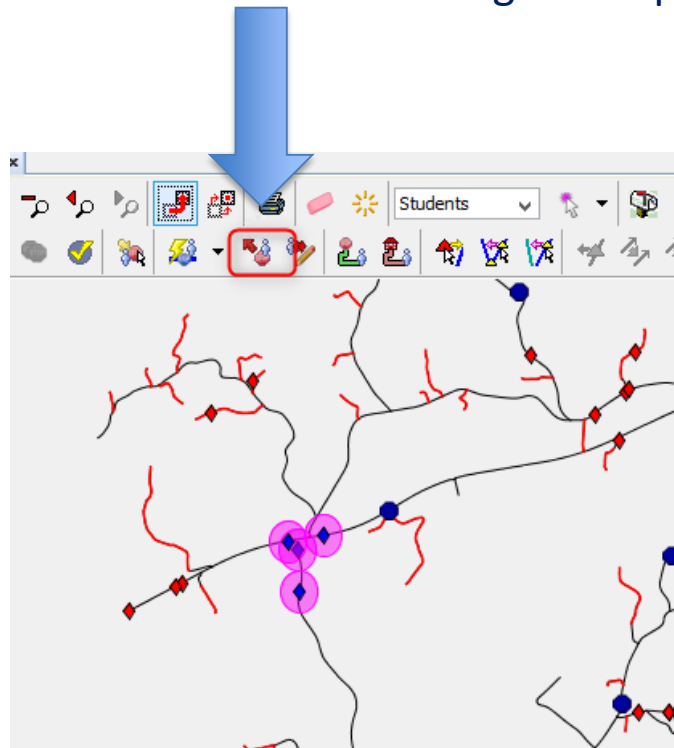
New Attributes

Old Attributes



eSQL – Batch De-assign – Main Map

Batch De-assign works the same way. You can de-assign multiple students at once.

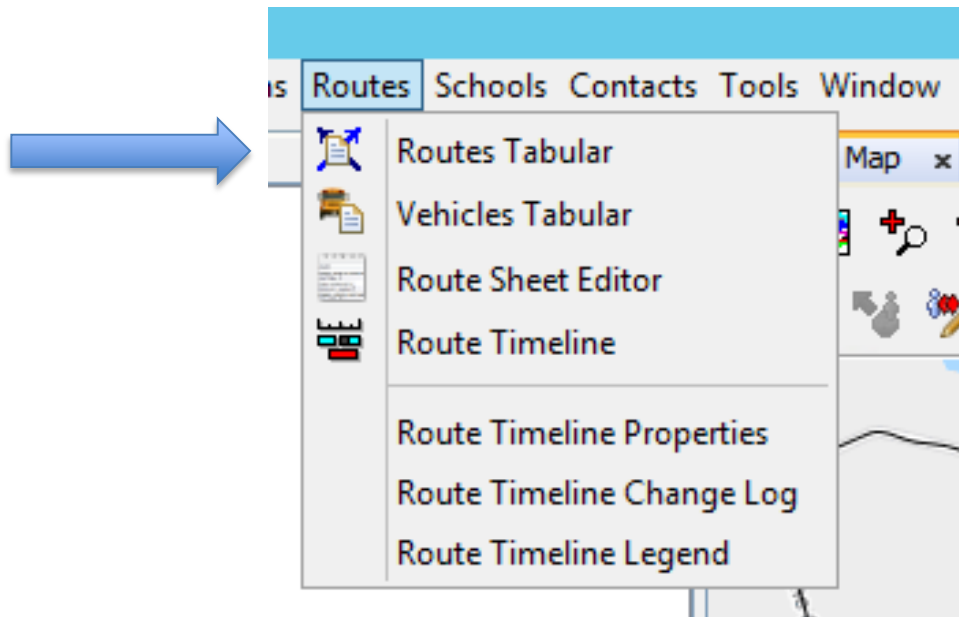


Understanding Routes and working with the Route Timeline

eSQL – Route Tabular

Route Tabular

eSQL – Route Tabular



eSQL – Route Tabular

The screenshot shows the eSQL Route Tabular interface. At the top, there are two tabs: 'Main Map' and 'Routes Tabular - 001'. Below the tabs is a toolbar with various icons. Annotations with arrows point to specific features:

- Search Options**: Points to the search icon (magnifying glass) in the toolbar.
- Refresh**: Points to the refresh icon (circular arrow) in the toolbar.
- Rename**: Points to the rename icon (pencil) in the toolbar.
- Reprocess**: Points to the reprocess icon (circular arrow with a plus sign) in the toolbar.
- TimeLine**: Points to the timeline icon (vertical bar with a plus sign) in the toolbar.
- Close**: Points to the close icon (red X) in the toolbar.
- Create a new Route**: Points to the 'Add' icon (blue plus sign) in the toolbar.
- Delete**: Points to the 'Delete' icon (blue minus sign) in the toolbar.
- Change Frequency**: Points to the 'Frequency' icon (blue wave) in the toolbar.
- Passenger List**: Points to the 'Passenger List' icon (blue list) in the toolbar.
- Add to main map**: Points to the 'Add to main map' icon (blue plus sign) in the toolbar.

The interface also displays a 'Search Results' section at the bottom left, showing '1 of 57' results.

eSQL – Route Tabular

You can do both basic and advance searches for Routes Tabular. Below is an example of the Routes basic search. You can search for slack time, route id, Dist from School etc.

Route Basic Search

Contains Runs for School	Slack Time	Dist. From School
Route ID	Route ID Range	Vehicle ID

Route ID: 001

Search Cancel

eSQL – Route Tabular

Route Tabular allows you to assign a run to a Route. Route 001 has both 328.0014 and 328.104 assigned to it.

The screenshot displays the 'Routes Tabular - 001' window. On the left, a 'Search Results' pane shows '001 - 001 ACHS EC'. The main area is divided into 'Info View' and 'Map View' tabs. The 'Info View' contains the following sections:

- Route Basic Information:**
 - Route ID: 001
 - Description: 001 ACHS EC
 - Time Changed: 09/10/2020, 4:05:35 PM
 - Frequency: MTWUF--
 - Comments:
 - Map Type: 0
 - Vehicle Name: 001
 - Vehicle:
 - Contractor:
- Route Transportation Information:**
 - Start Time: 5:52 AM
 - End Time: 5:01 PM
 - Total Time: 11:09
 - Running Time: 04:17
- Runs on Route:**






Run ID	Run Description	Start Time	End Time	Run Load	Bell Time	Time At School	Frequency	Section
328.004	001 AM EC	5:52 AM	8:03 AM	13	8:05 AM	8:03 AM	MTWUF--	AM
328.104	001 PM EC	2:55 PM	5:01 PM	14	3:10 PM	2:55 PM	MTWUF--	PM

eSQL – Route Tabular

From here you can add a run, de-assign a run, change time at school, view in runs tabular or the passenger list.




Runs on Route

				
Run ID	Run Description	Start Time	End Time	Run Load
328.004	001 AM EC	5:52 AM	8:03 AM	13
328.104	001 PM EC	2:55 PM	5:01 PM	14

eSQL – Route Tabular

Remove run id 328.104 from Route 001

Runs on Route



Run ID	Run Description	Start Time	End Time	Run Load
328.004	001 AM EC	5:52 AM	8:03 AM	13
328.104	001 PM EC	2:55 PM	5:01 PM	14

Confirm Remove Run From Route

Are you sure you want to remove run 328.104 from this route?

OK Cancel

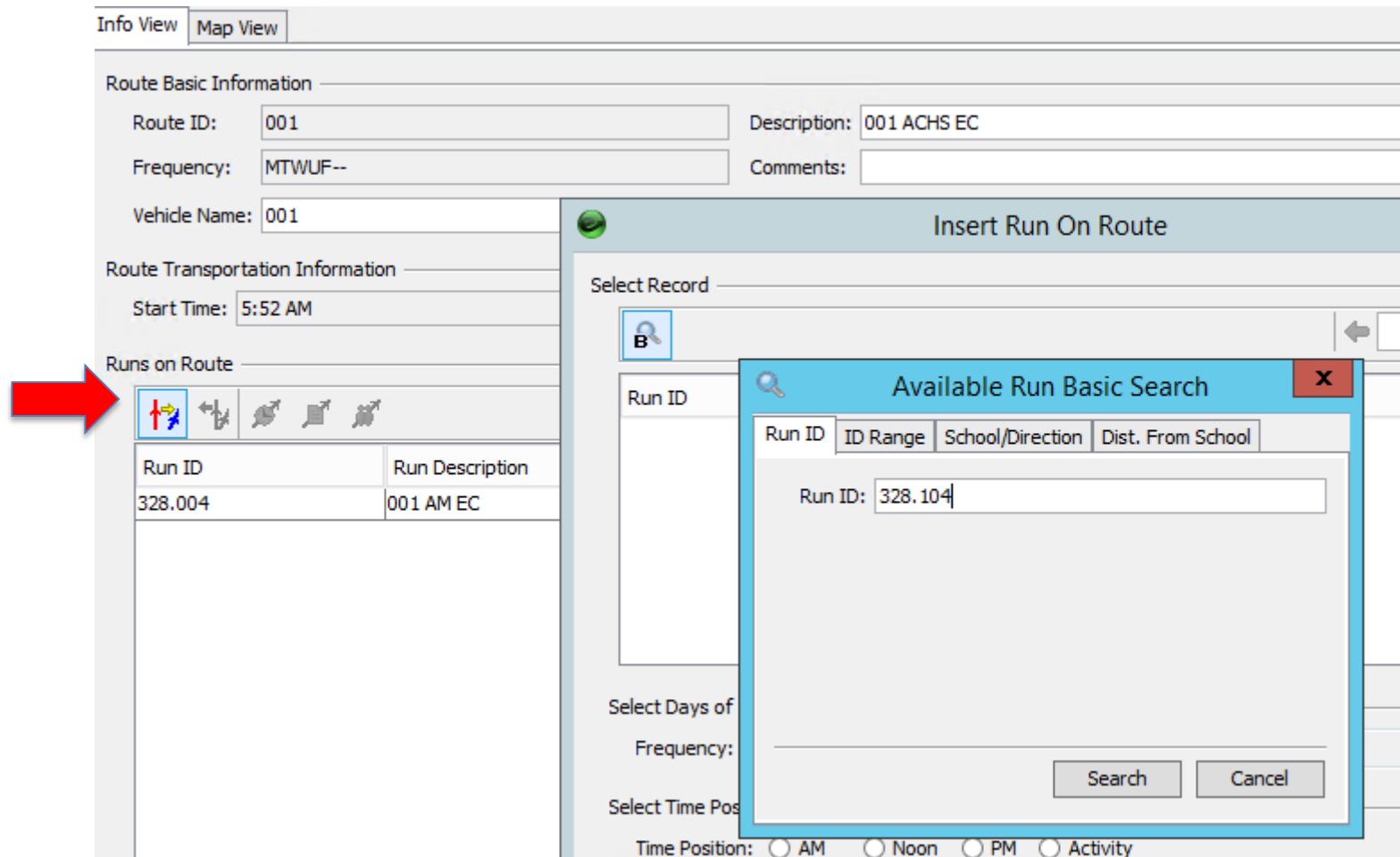
Runs on Route

Run ID	Run Description	Start Time	End Time	Run Load	Bell Time	Time At School
328.004	001 AM EC	5:52 AM	8:03 AM	13	8:05 AM	8:03 AM

You can see that 328.104 is not gone.

eSQL – Route Tabular

Now add it back.



The screenshot displays the eSQL Route Tabular interface. The 'Info View' tab is active, showing route details for Route ID 001, Frequency MTWUF--, and Vehicle Name 001. The 'Runs on Route' section is highlighted with a red arrow pointing to the 'Add Run' icon (a blue square with a red star). An 'Insert Run On Route' dialog is open, showing an 'Available Run Basic Search' window. The search window has tabs for 'Run ID', 'ID Range', 'School/Direction', and 'Dist. From School'. The 'Run ID' tab is selected, and the text '328.104' is entered in the 'Run ID' field. The 'Search' button is visible at the bottom right of the search window.

Run ID	Run Description
328.004	001 AM EC

eSQL – Route Tabular

Insert Run On Route

Select Record

Displaying results 1 - 1 of 1

Run ID	Run Description
328.104	001 PM EC

Select Days of the Week

Frequency: ☒ M ☒ T ☒ W ☒ U ☒ F ☐ A ☐ S

Select Time Position

Time Position: ☐ AM ☐ Noon ☒ PM ☐ Activity

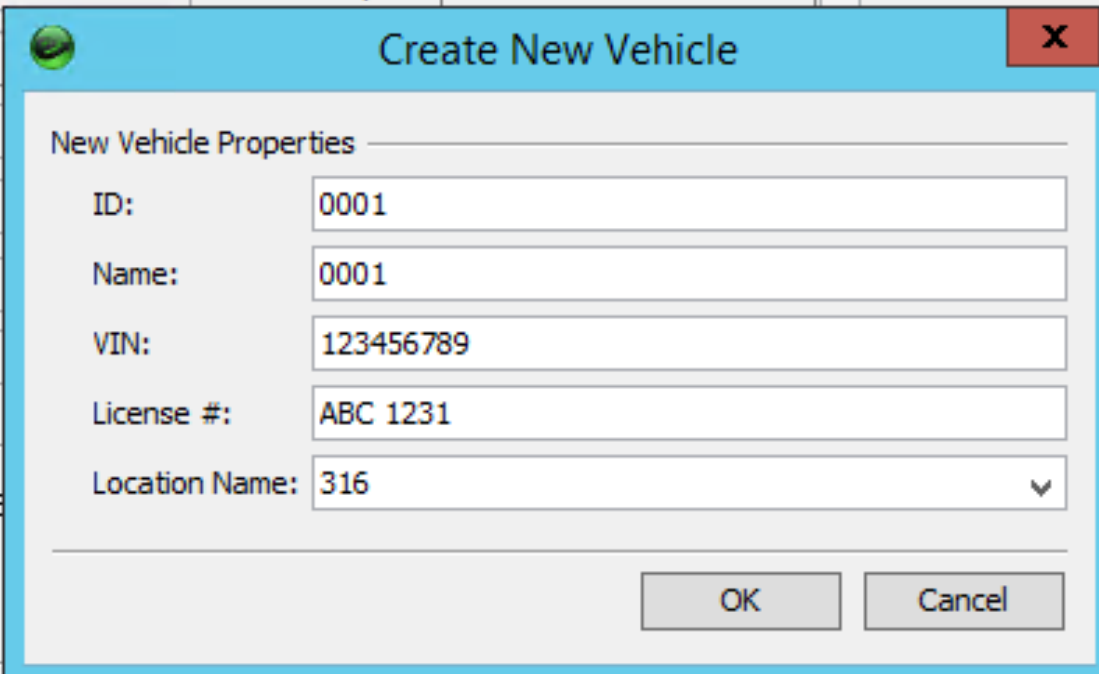
OK Cancel

When adding a run back make sure you select AM, Noon or PM. If it's a mid-day run you will need to select Noon.

Runs on Route

Run ID	Run Description	Start Time	End Time	Run Load	Bell Time
328.004	001 AM EC	5:52 AM	8:03 AM	13	8:05 AM
328.104	001 PM EC	2:55 PM	5:01 PM	14	3:10 PM

Practice – Create a new Route ID



Create New Vehicle

New Vehicle Properties

ID: 0001

Name: 0001

VIN: 123456789

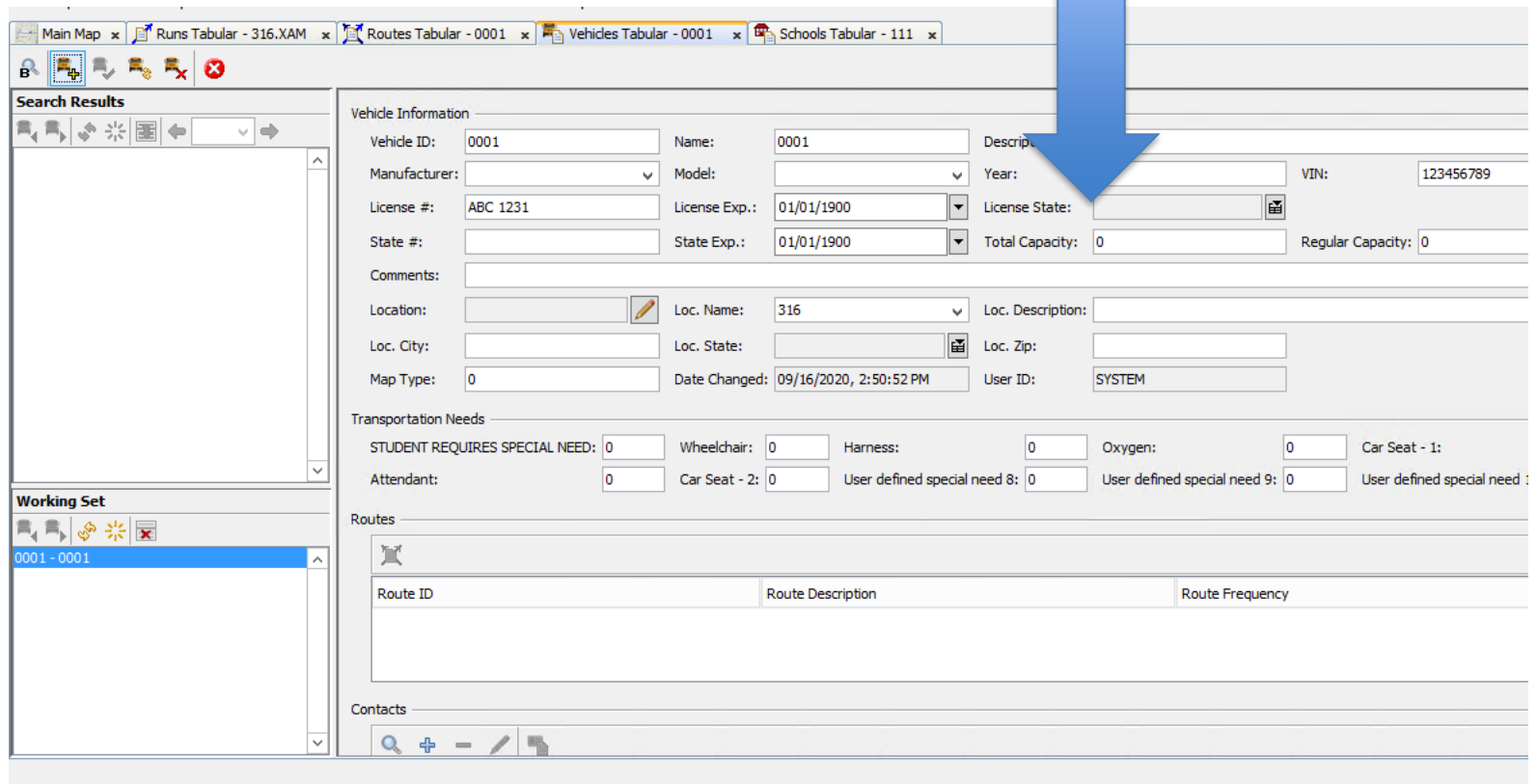
License #: ABC 1231

Location Name: 316

OK Cancel

Practice – Create a new Route ID

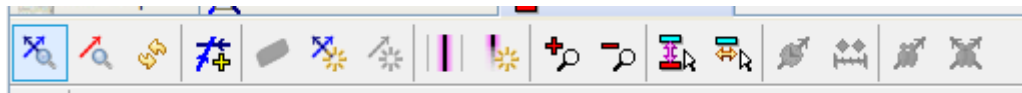
Here you can add more details.



The screenshot shows the ITRE software interface with the 'Vehicle Information' form open. A large blue arrow points to the 'Description' field, indicating where to add more details. The form includes fields for Vehicle ID, Name, Description, Manufacturer, Model, Year, VIN, License #, License Exp., License State, State #, State Exp., Total Capacity, Regular Capacity, Comments, Location, Loc. Name, Loc. Description, Loc. City, Loc. State, Loc. Zip, Map Type, Date Changed, and User ID. Below the form is a 'Transportation Needs' section with checkboxes for Student Requires Special Need, Wheelchair, Harness, Oxygen, Car Seat - 1, Attendant, Car Seat - 2, User defined special need 8, User defined special need 9, and User defined special need 10. At the bottom is a 'Routes' table with columns for Route ID, Route Description, and Route Frequency.

Route ID	Route Description	Route Frequency

Main Map View – Route Timeline







eSQL – Main Map View – Route Timeline



Options —

☐ Select Results to Use ☒ Use All Search Results

Select Records —

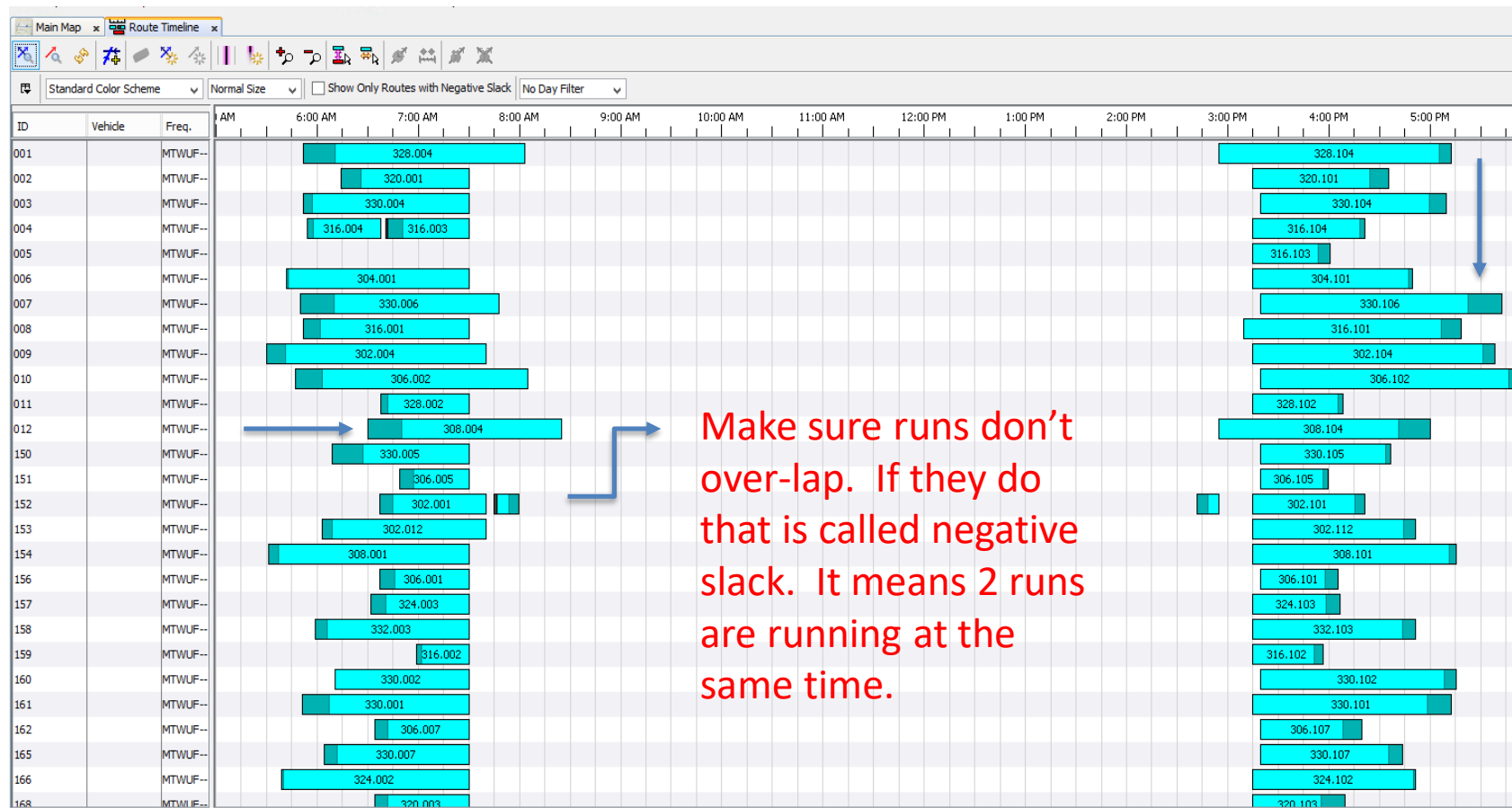
  Displaying results 1 - 50 of 57  1 

Route ID	Route Description	Vehicle Name	Start Time	End Time	Total Time	
001	001 ACHS EC	001	5:52 AM	5:13 PM	11:21	^
002	002 STONY POINT	002	6:14 AM	4:36 PM	10:21	≡
003	003 WAMS	003	5:52 AM	5:10 PM	11:18	
004	004 HIDDENITE	004	5:54 AM	4:22 PM	10:27	
005	005 HIDDENITE	005	3:15 PM	4:01 PM	00:46	
006	006 BETHLEHEM	006	5:42 AM	4:50 PM	11:08	
007	007 WAMS	007	5:50 AM	5:43 PM	11:52	
008	008 HIDDENITE	008	5:52 AM	5:19 PM	11:27	
009	009 ACHS	009	5:30 AM	5:39 PM	12:08	
010	010 EAMS	010	5:47 AM	5:55 PM	12:07	
011	011 TAYLORSVILLE	011	6:38 AM	4:09 PM	09:31	
012	012 ELLENDALE EC	012	6:20 AM	5:01 PM	10:21	▼

OK Cancel

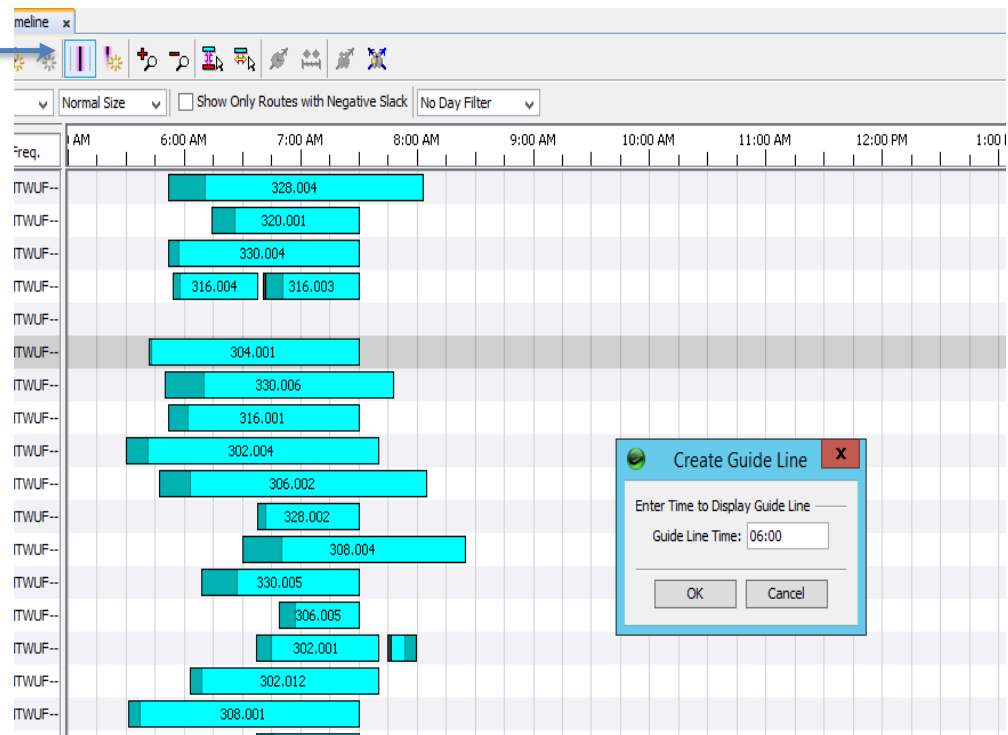
eSQL – Main Map View – Route Timeline

Dark green = Deadhead. No students on the bus.

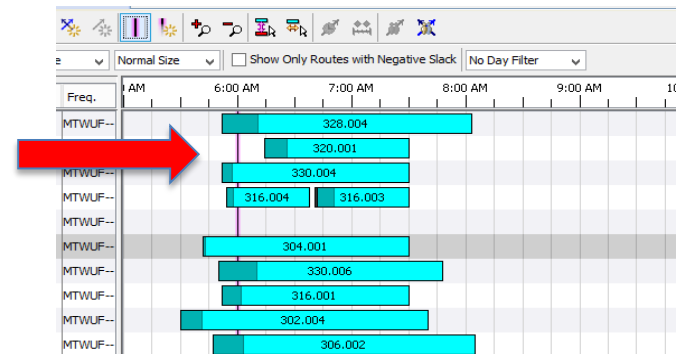


eSQL – Main Map View – Route Timeline

This is a great way to see who is picking up before 6:00am or dropping off after 6:00pm.



You can add time guide lines.



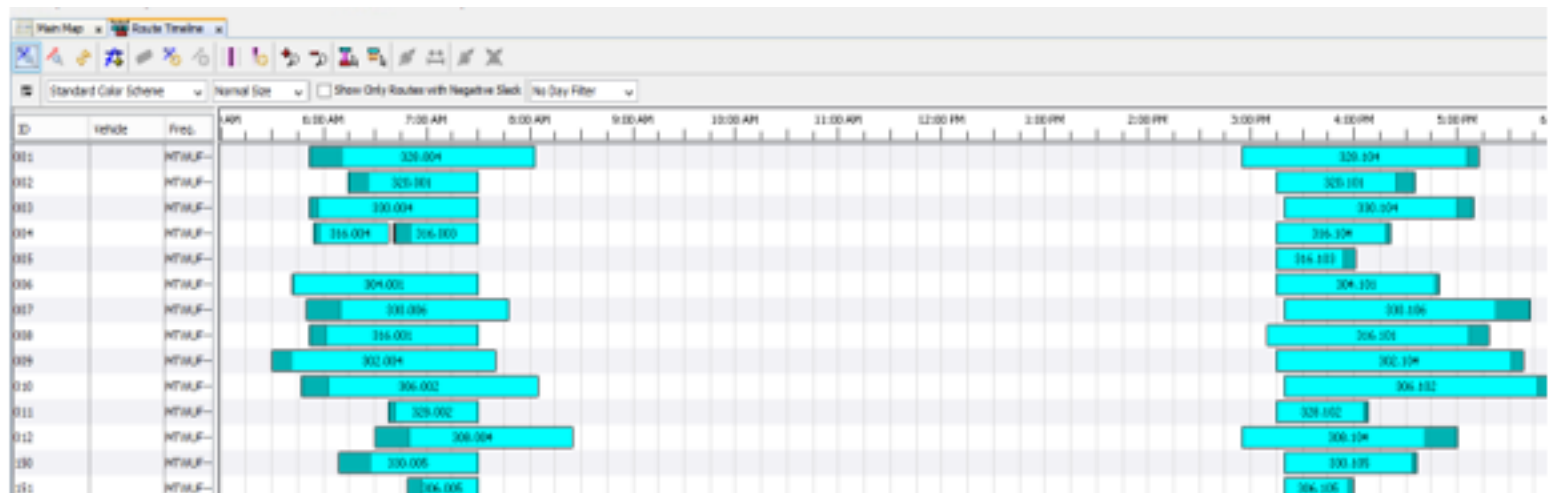
eSQL – Main Map View – Route Timeline

Toggle Run

Assignment tool. You can drag a run from one bus to another. This makes it easy when the mechanics switch buses from one school to another.

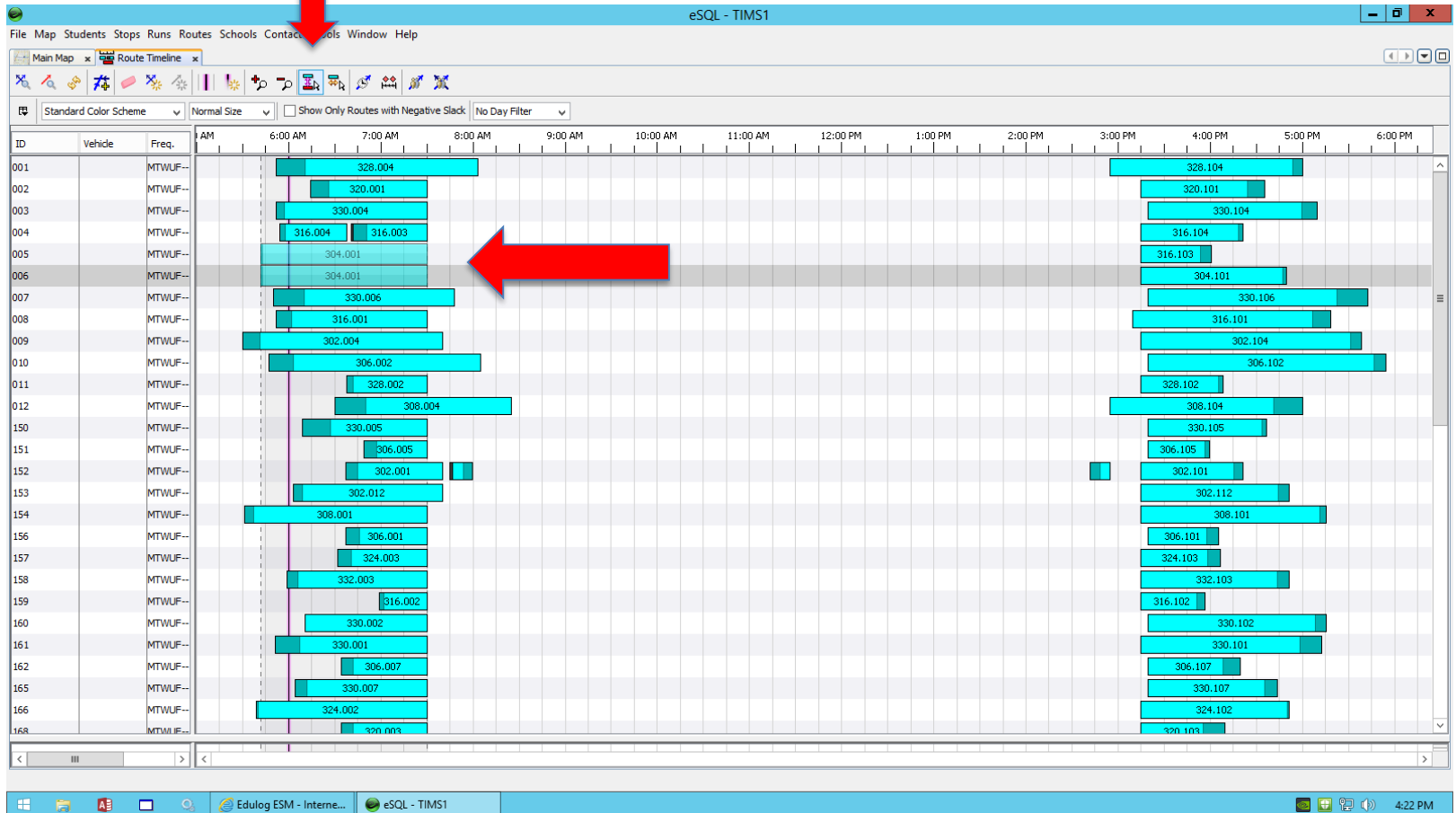


Toggle Run time tool can adjust the start and end time of a run.



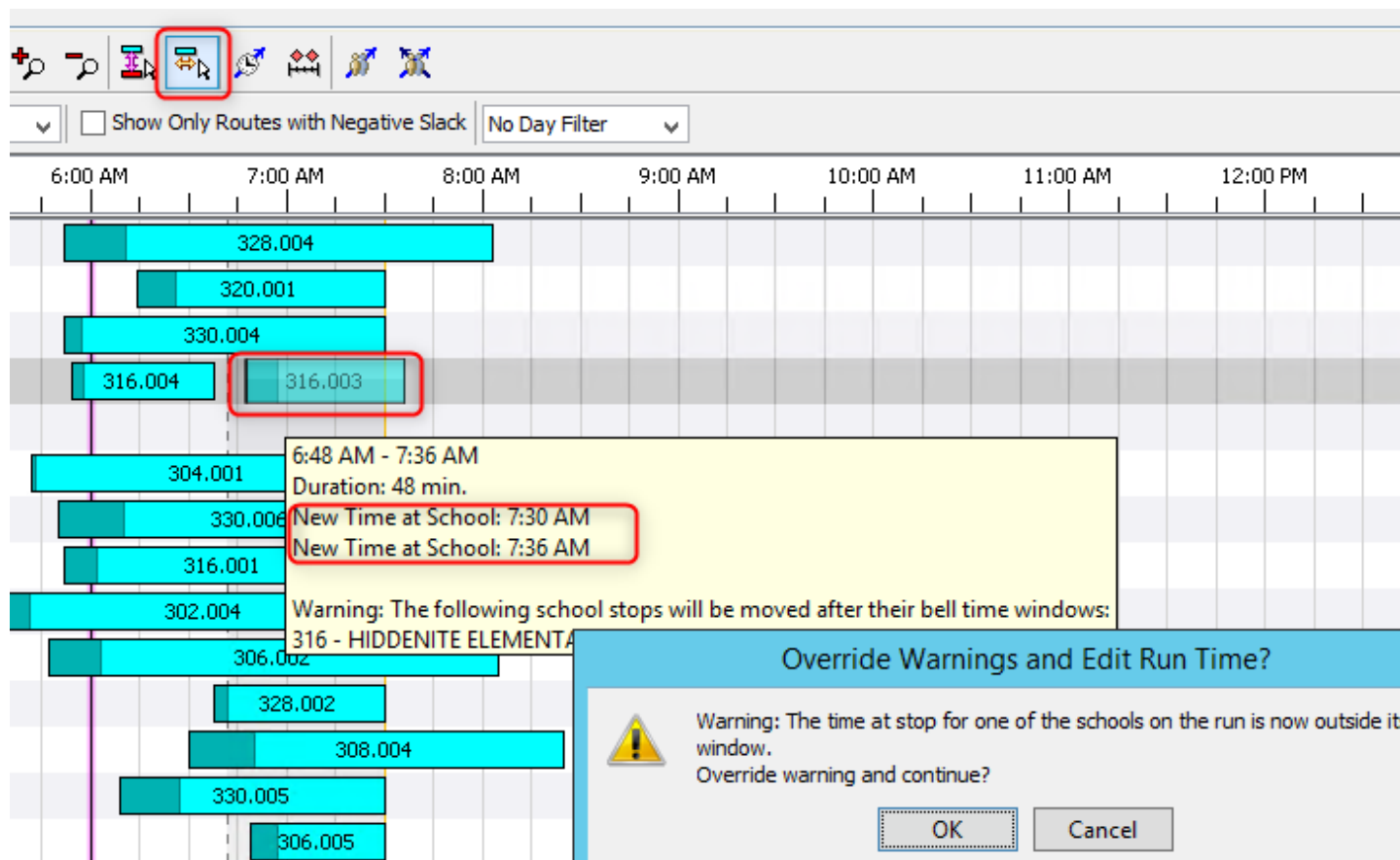
eSQL – Main Map View – Route Timeline

Look at Run 304.001 I am moving it from Bus 006 to 005 by dragging it.



eSQL – Main Map View – Route Timeline

You can change your run time by dragging it.

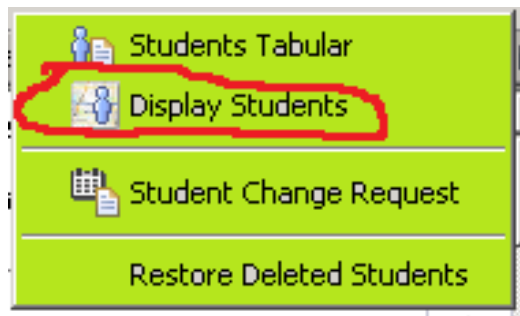


Working with Students, Stops and Runs on the MAIN MAP

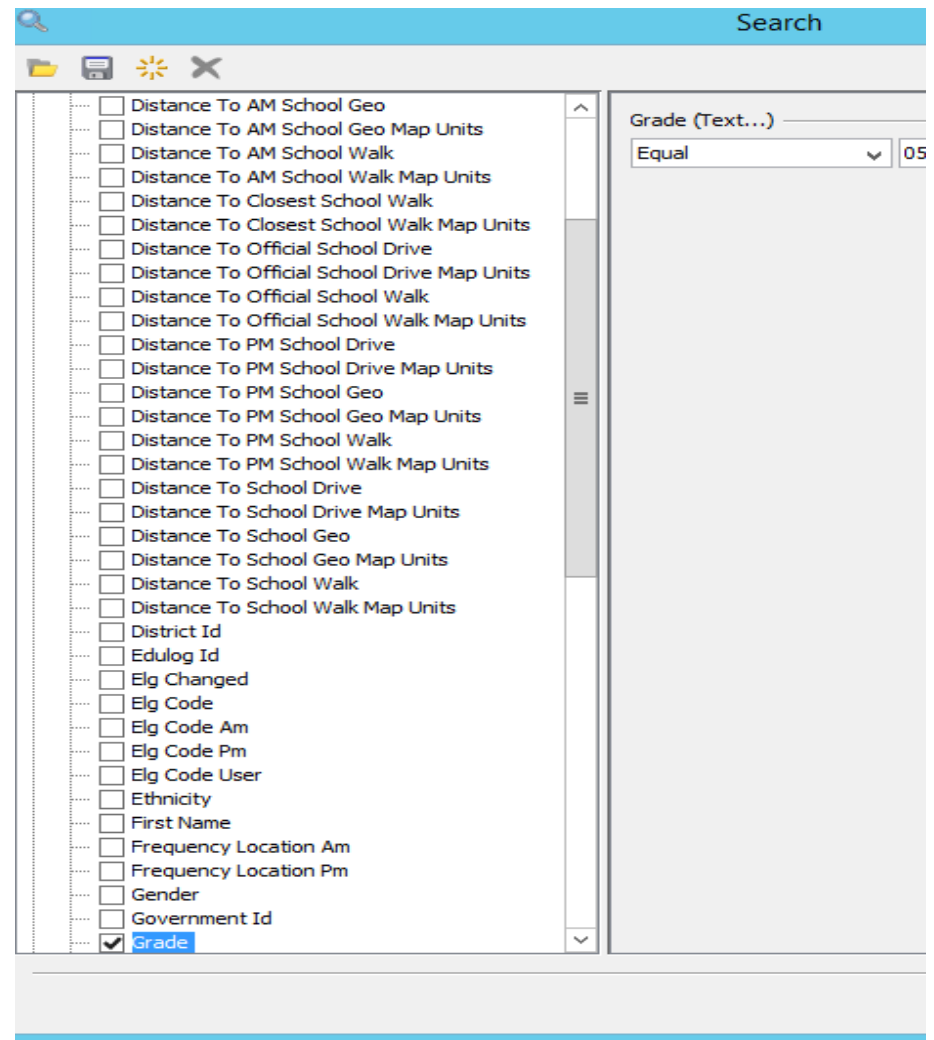
Advance Searches and
Worklist

Student Tallies on Map
Quick Prints
Quick Exports

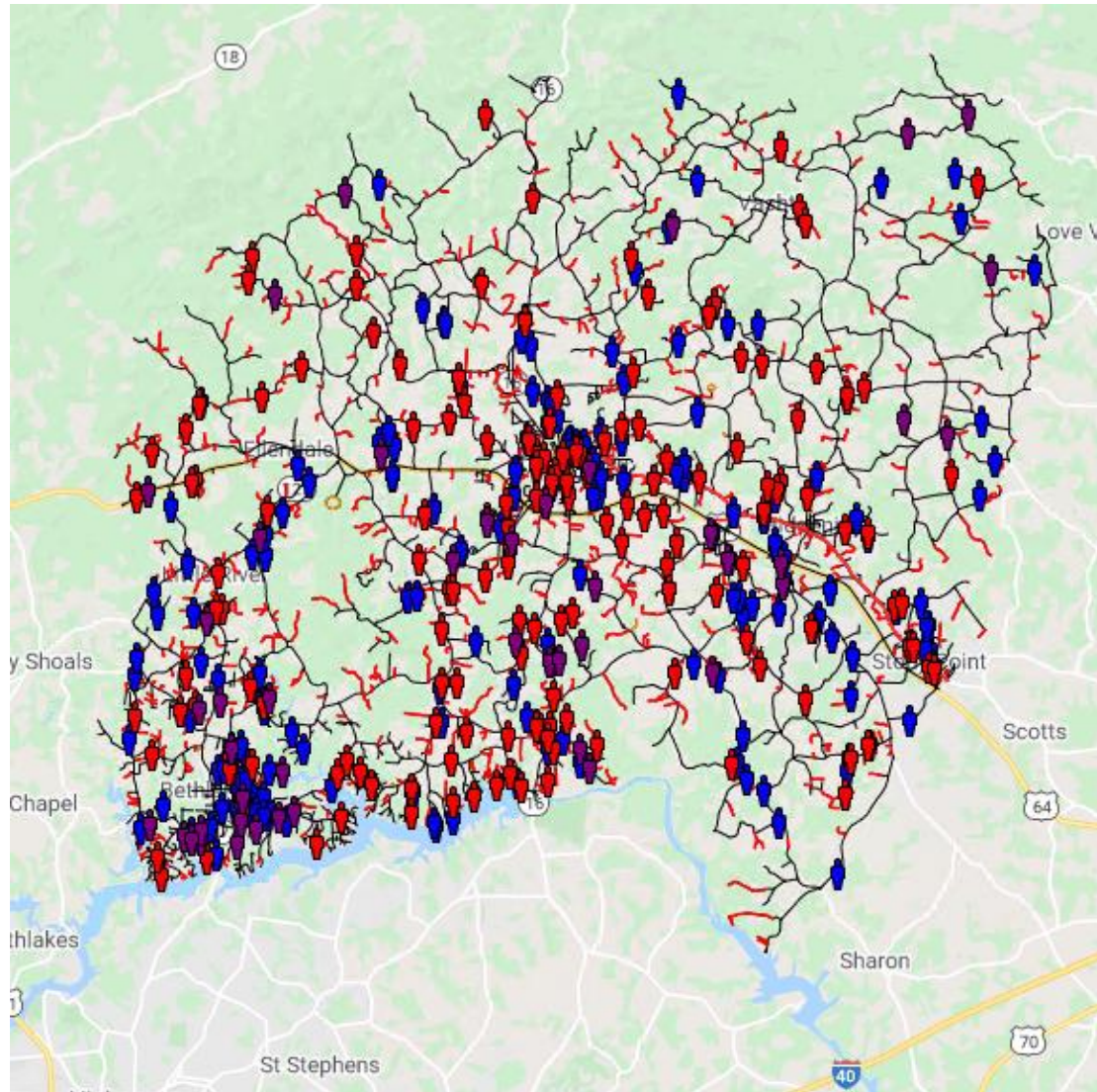
eSQL allows us to easily retrieve this information on the Main Map.



You can get an excel file of all the 5th graders going to middle school next year.

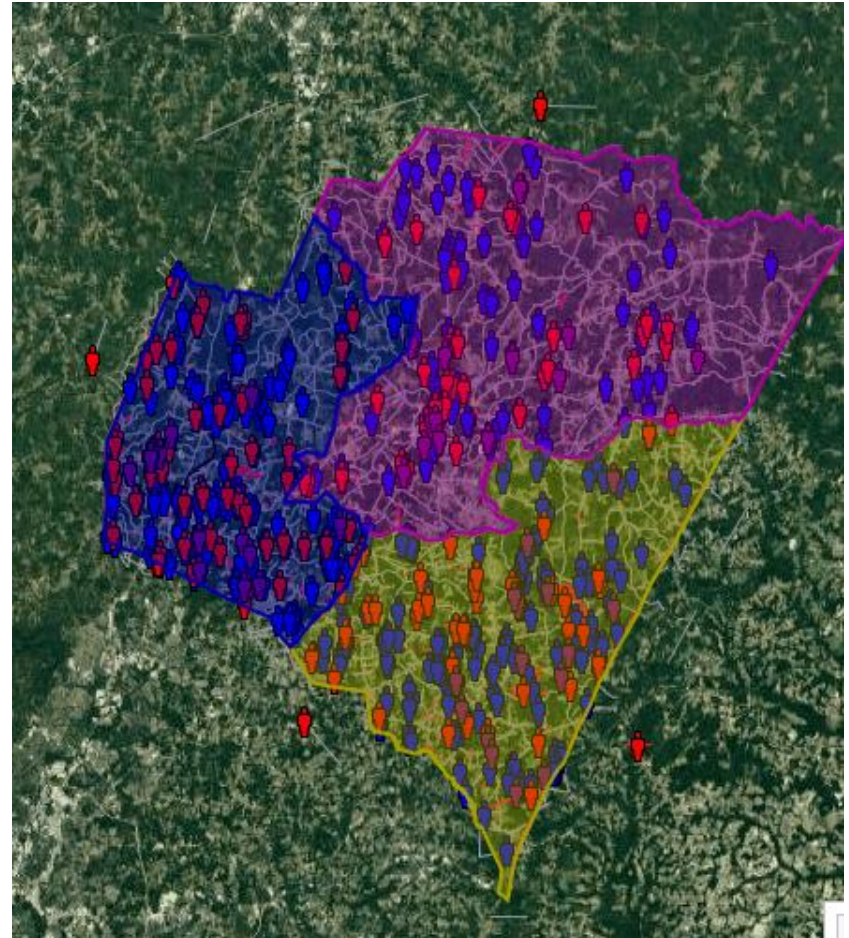
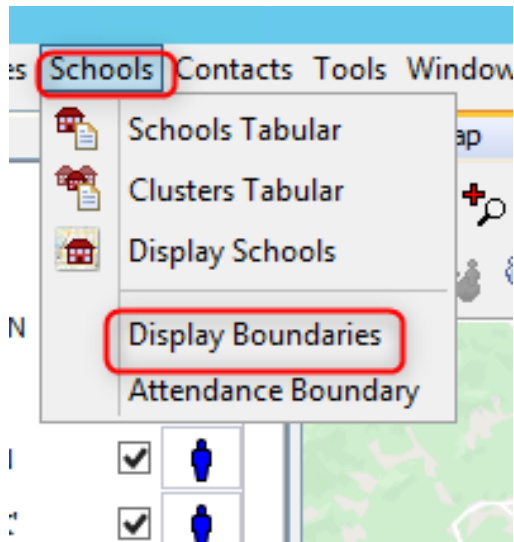


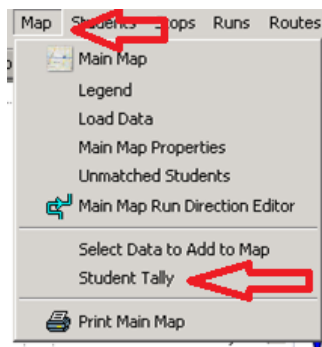
Display the 5th Graders



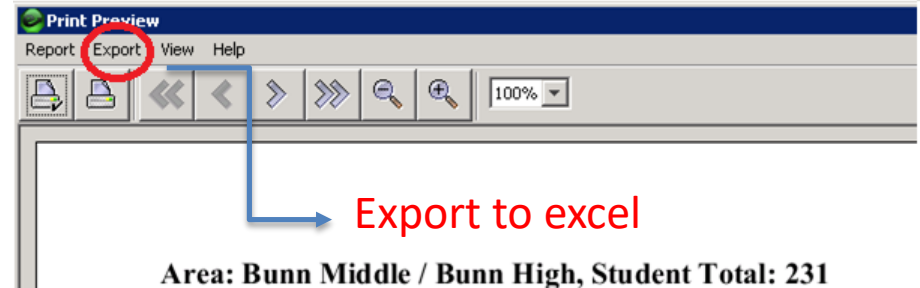
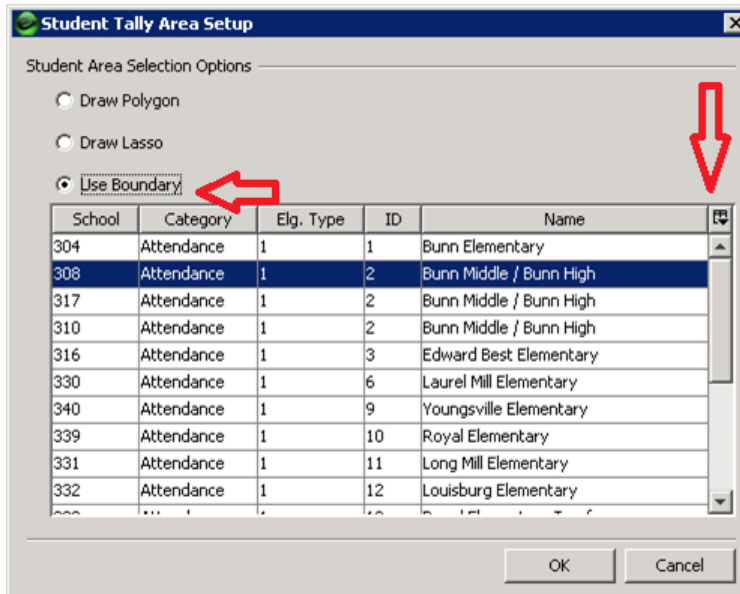
Middle School Boundaries can be displayed

STUDENTS SHOWN WITHIN EACH BOUNDARY

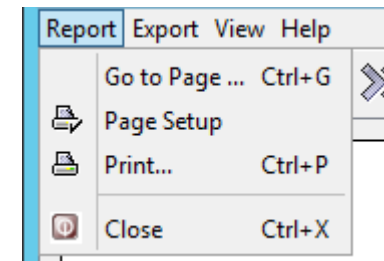




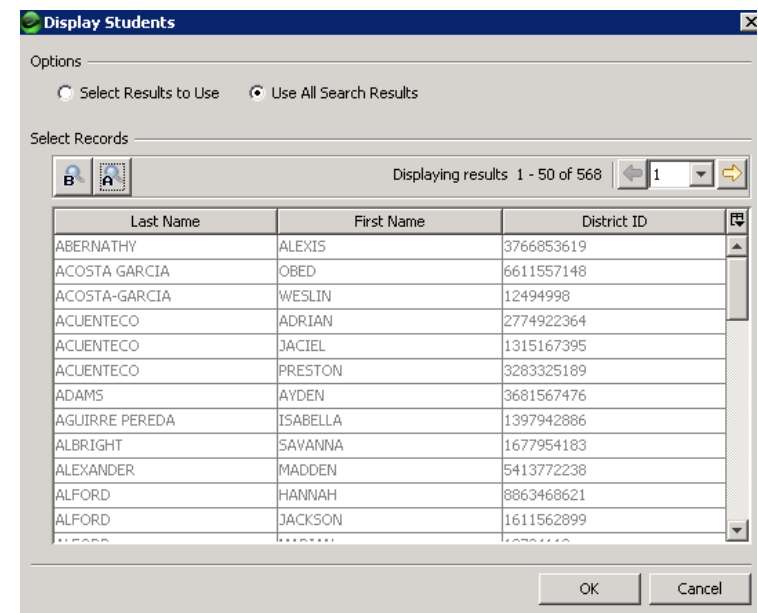
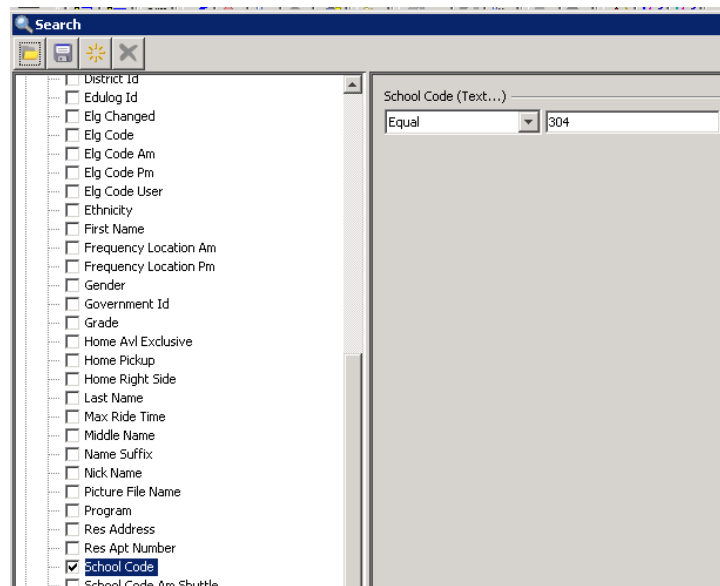
After displaying all your 5th grade students you can tally the numbers; Student Tally & Use Boundary. You can export this file to excel or print with a click of a button.



To Print



You can also determine who is out of district or out of county using this technique. Create a worklist of students assigned to a school.



Display the school boundary and draw a Lasso/Polygon around the area outside the school boundary.

Display Schools

Filter:

School Code	School Name
000	FRANKLIN COUNTY SCHOOLS
304	BUNN ELEM
308	BUNN HIGH
310	BUNN MIDDLE
312	CEDAR CREEK MID
316	EDWARD BEST ELEM
317	FRANKLIN CO EARLY COLLEGE HS
318	FRANKLINTON ELEM

Student Tally Area Setup

Student Area Selection Options

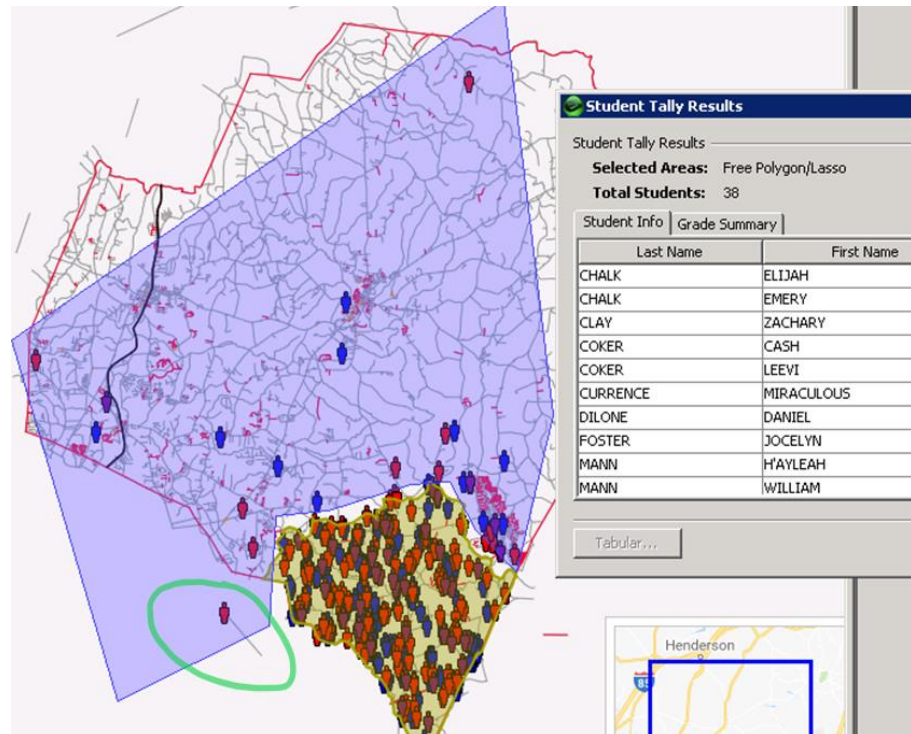
☒ Draw Polygon
☐ Draw Lasso
☐ Use Boundary

School	Category	Elg. Type	ID	Name
304	Attendance	1	1	Bunn Elementary
308	Attendance	1	2	Bunn Middle / Bunn High
317	Attendance	1	2	Bunn Middle / Bunn High
310	Attendance	1	2	Bunn Middle / Bunn High
316	Attendance	1	3	Edward Best Elementary
330	Attendance	1	6	Laurel Mill Elementary
340	Attendance	1	9	Youngsville Elementary
339	Attendance	1	10	Royal Elementary
331	Attendance	1	11	Long Mill Elementary
332	Attendance	1	12	Louisburg Elementary

OK Cancel

Potential students who are not registered at the correct school.

- Use codes in your AM/PM Trn fields to identify who is board approved.
- This will identify students who should transition back to their base school, or have bad addresses in powerschool.
- Notice the green circle is a student who is out of county.



- **Troubleshooting eSQL Connectivity**
- **TIMS Reports**
- **TIMS Backups**
- **Maintenance and Student Uploads**

eSQL & TOMCAT



eSQL & TOMCAT



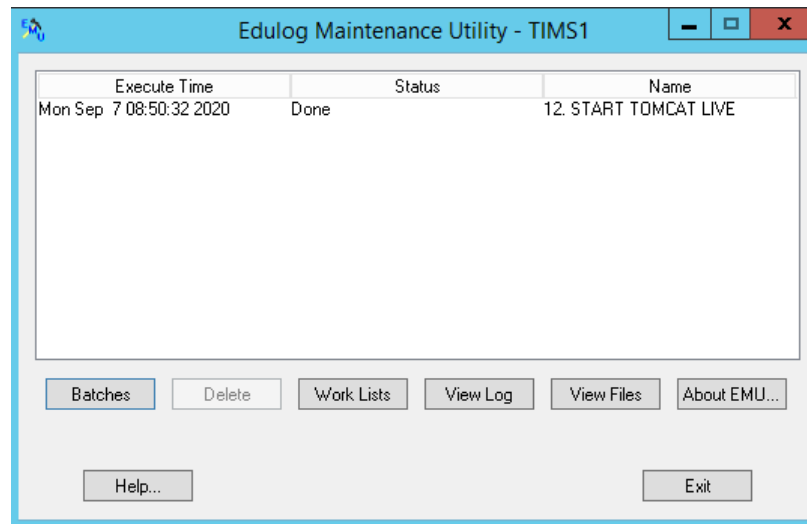
This page can't be displayed

- Make sure the web address http://sqltraining:8082 is correct.
- Look for the page with your search engine.
- Refresh the page in a few minutes.

Fix connection problems

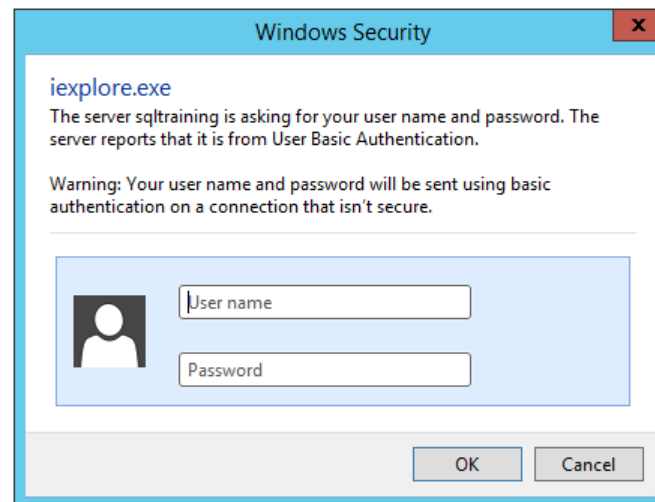
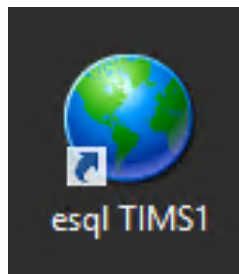
This page will come up if you don't have TOMCAT started

eSQL & TOMCAT



Once you start TOMCAT eSQL should open

eSQL



Login will be the dataset name: LIVE
Password: 10LIVE01

eSQL

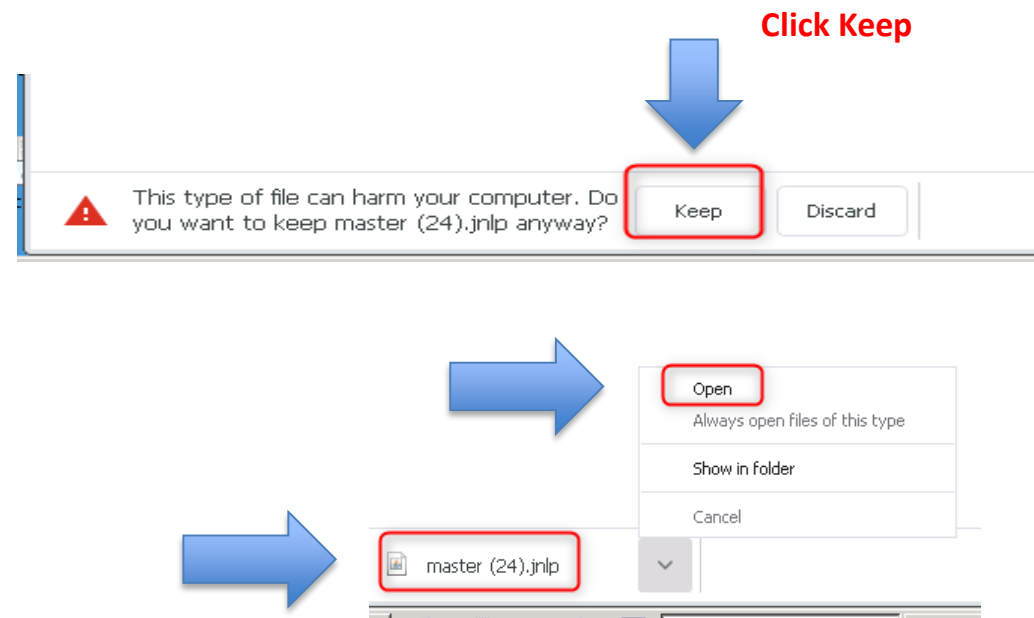


You will receive a 2nd pop-up screen where you would enter the same login and password: LIVE 10LIVE01 (Dataset you are using)

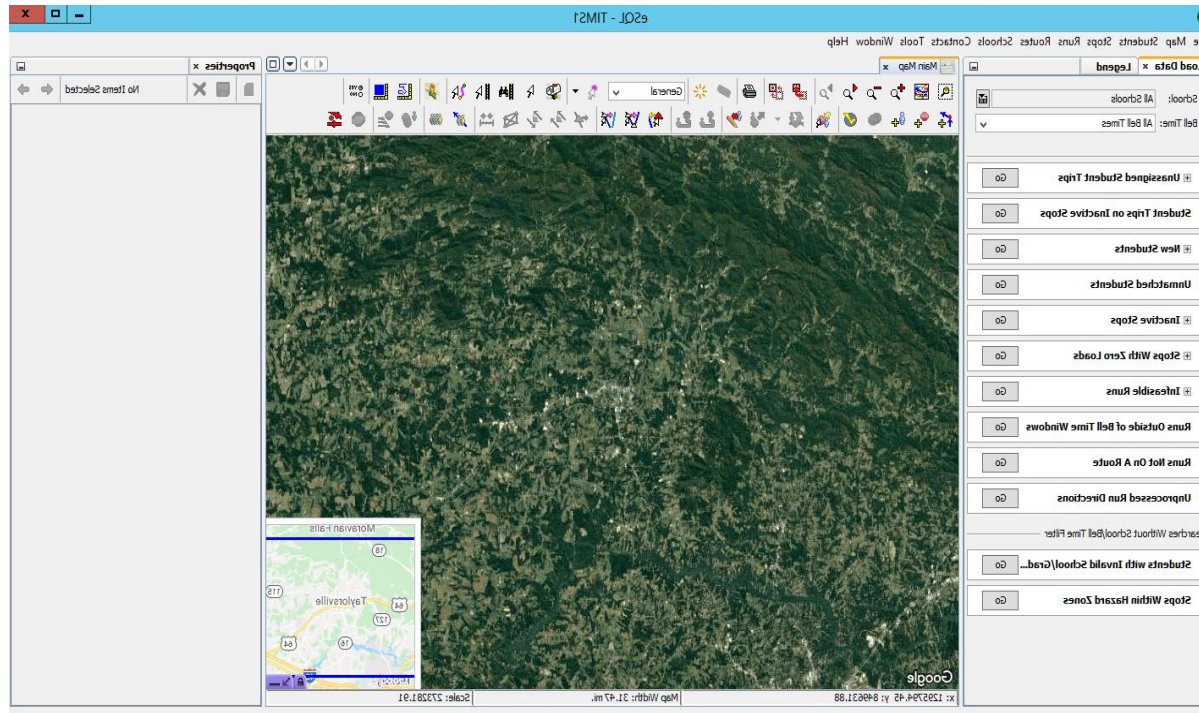
Please note DO NOT update Java. In order for eSQL to work properly you will need Java Version 8 Update 101

eSQL

Some will get this message on the 2nd screen.



eSQL



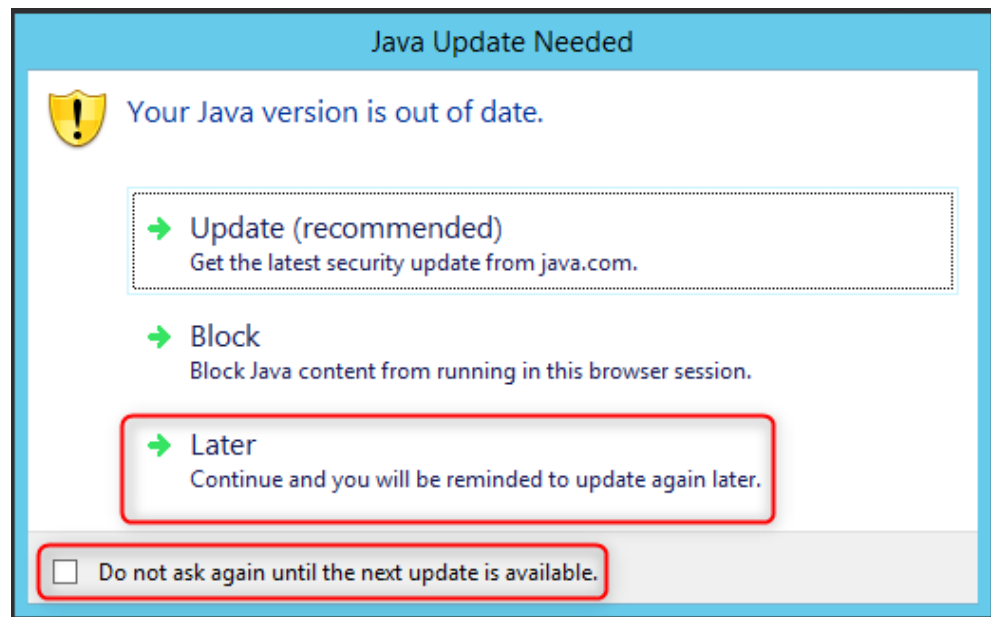
eSQL

If you are having issues opening eSQL check the version of Java. You will need Version 8 Update 101 or eSQL will not work.



Java 8_101

NEVER UPDATE JAVA. Always select LATER and check the box that will not ask you again.



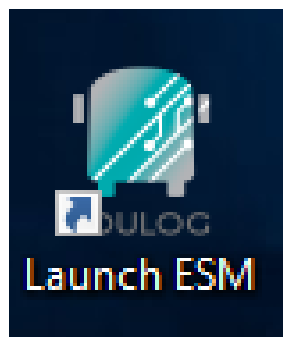
ITRE - NCSU

If you have any issues
accessing eSQL please let us
know

ESM – Backup Tool

Backups

ESM – Backup Tool

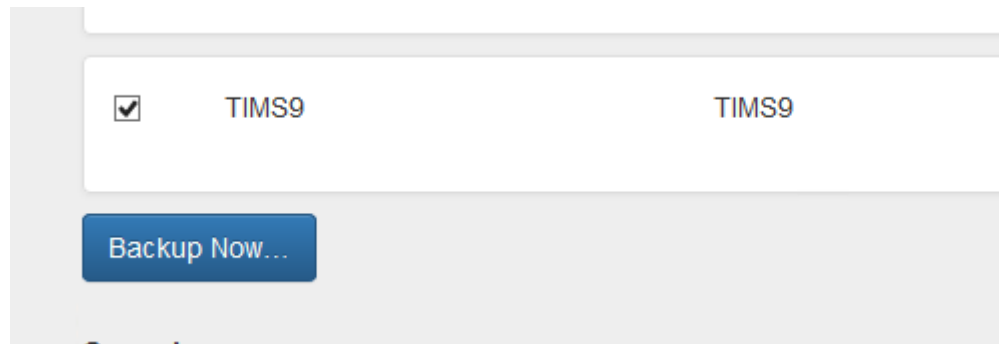


Login : edulog

Password: edulog

ESM – Backup Tool

Select the dataset you wish to backup
and click on Backup Now

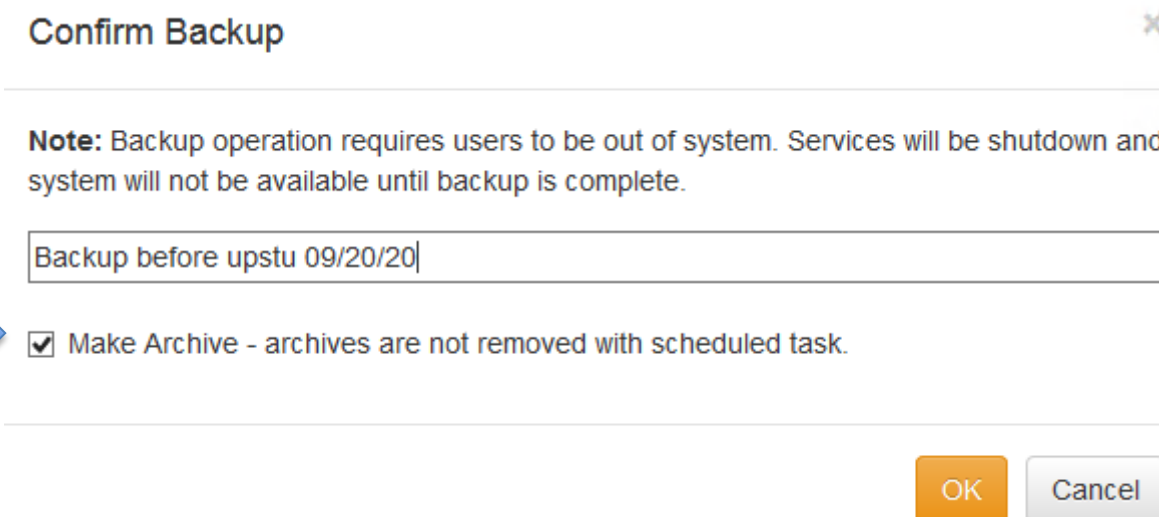


<input checked="" type="checkbox"/>	TIMS9	TIMS9
-------------------------------------	-------	-------

Backup Now...

ESM – Backup Tool

- Enter a description that you can recognize at a later date. If you want access to your backup after 7 days you will need to do an Archive.



A screenshot of a 'Confirm Backup' dialog box. The title bar says 'Confirm Backup' with a close button (X) on the right. Below the title bar is a horizontal line. Underneath is a note: 'Note: Backup operation requires users to be out of system. Services will be shutdown and system will not be available until backup is complete.' Below the note is a text input field containing the text 'Backup before upstu 09/20/20'. Below the input field is a checkbox labeled 'Make Archive - archives are not removed with scheduled task.' which is checked. At the bottom right are two buttons: 'OK' (orange) and 'Cancel' (gray). A large blue arrow points from the left towards the checkbox.

Confirm Backup

Note: Backup operation requires users to be out of system. Services will be shutdown and system will not be available until backup is complete.

Backup before upstu 09/20/20

☒ Make Archive - archives are not removed with scheduled task.

OK Cancel

Backups & Restore

Restoring data is simple just click on the restore backup and select the back up with to restore.

☐

TIMS8

TIMS8

N/A

▼

Mon Tue Wed Thu Fri Sat Sun

☐
☐
☐
☐
☐
☐
☐

Hour

Minute

01 ▼

00 ▼

AM ▼

Save Schedule

Edulog: eSQL

Restore Backup...

Confirm Restore from Backup

Note: Restore operation requires users to be out of system. Services will be shutdown and system will not be available until restore is complete.

Restore to Data Set: **TIMS8**

Restore From Data Set: **TIMS8 ▼**

Available Backups: **ITRE_2020-09-19T10_18_TIMS8 ▼**

Backup Information:

Backup Type: User created backup

User Description: N/A

Archive: false



Description you entered.

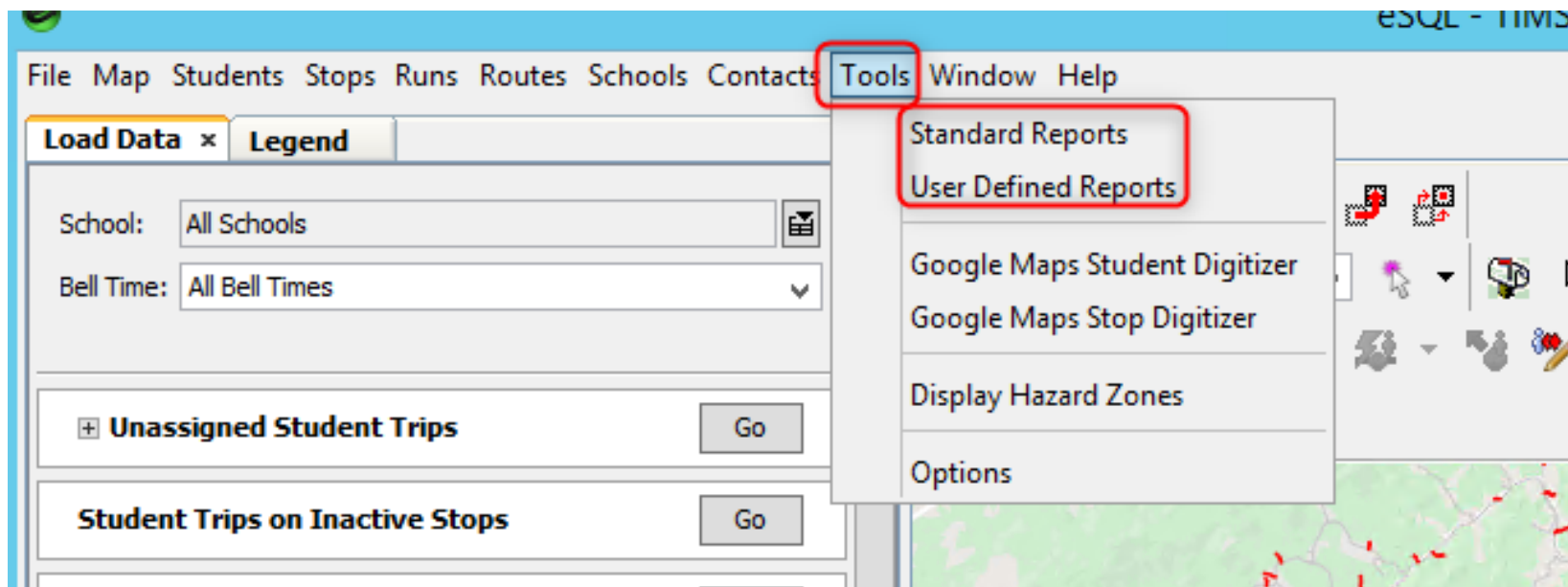
OK

Cancel

eSQL & Reports

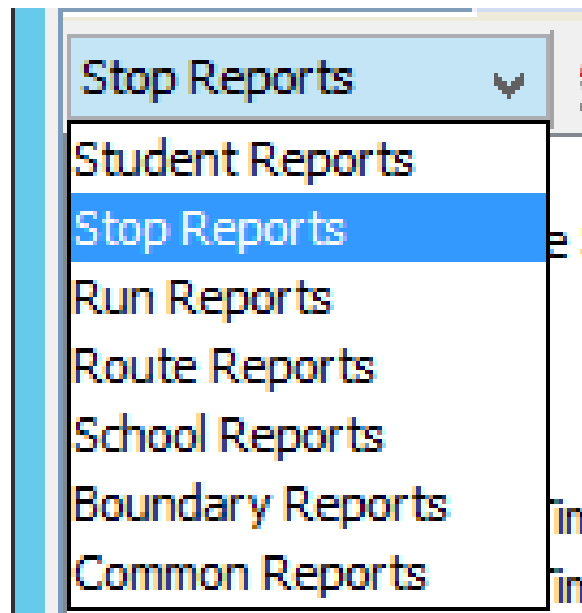
Reports

eSQL & Reports



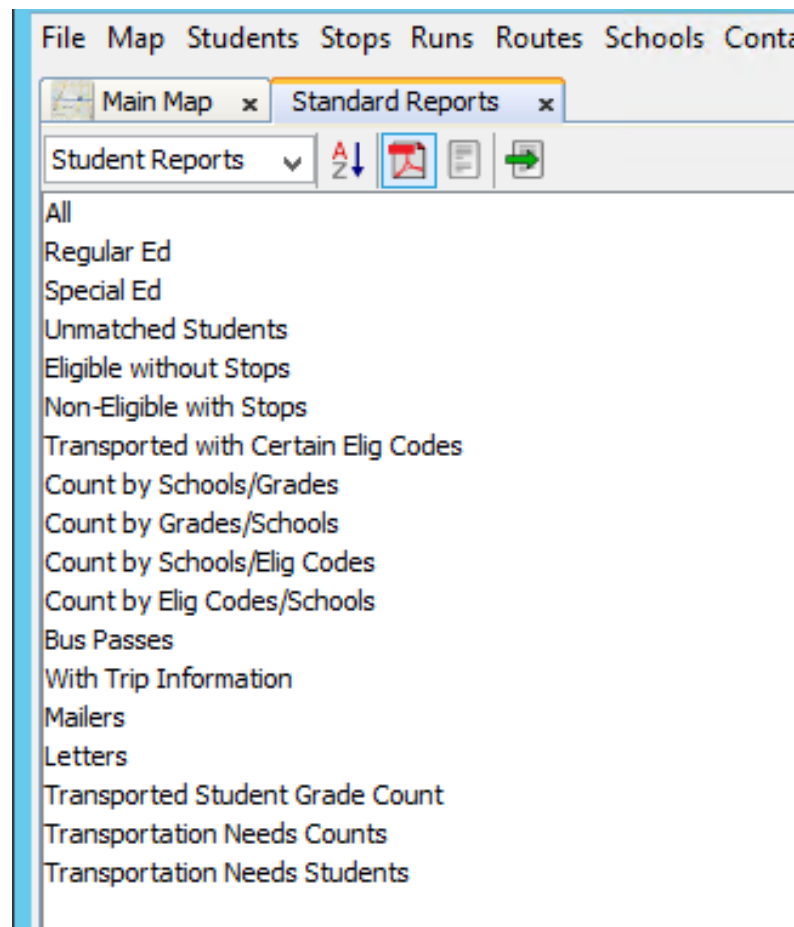
eSQL & Standard Reports

Under Standard Reports you have several reports you can choose from. See below.



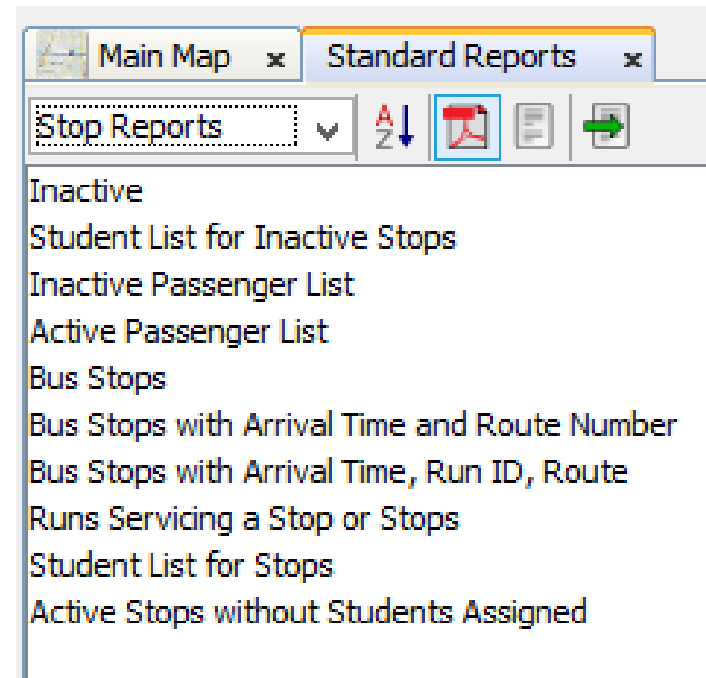
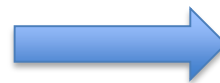
eSQL & Standard Reports – Student Reports

Student Reports



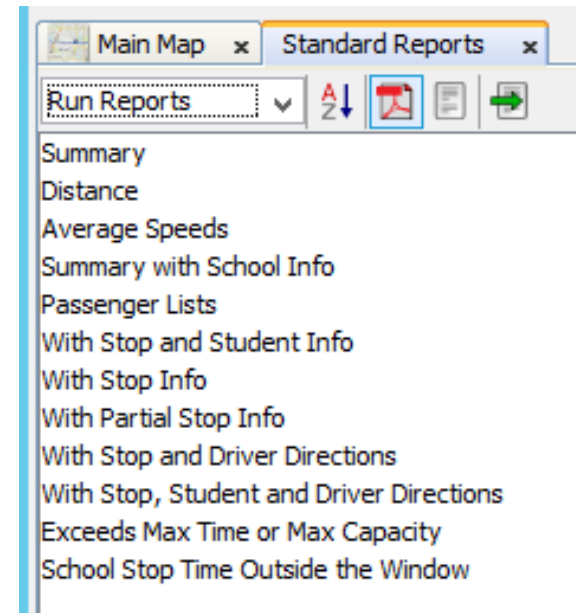
eSQL & Standard Reports – Stop Reports

Stop Reports



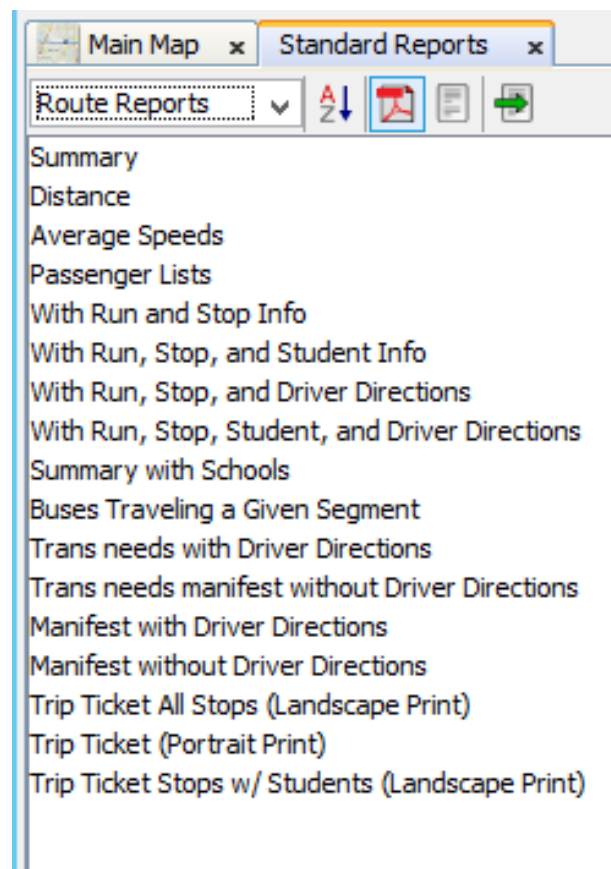
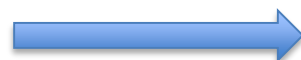
eSQL & Standard Reports – Run Reports

Run Reports



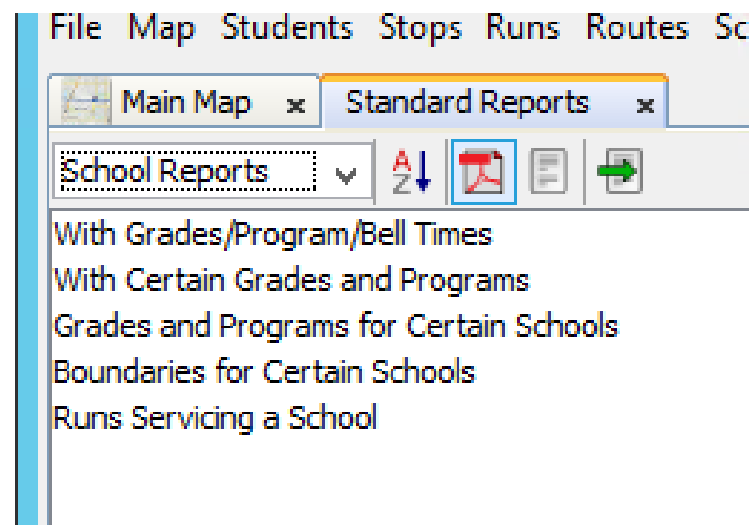
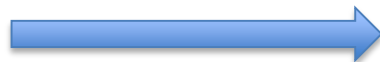
eSQL & Standard Reports – Route Reports

Route Reports

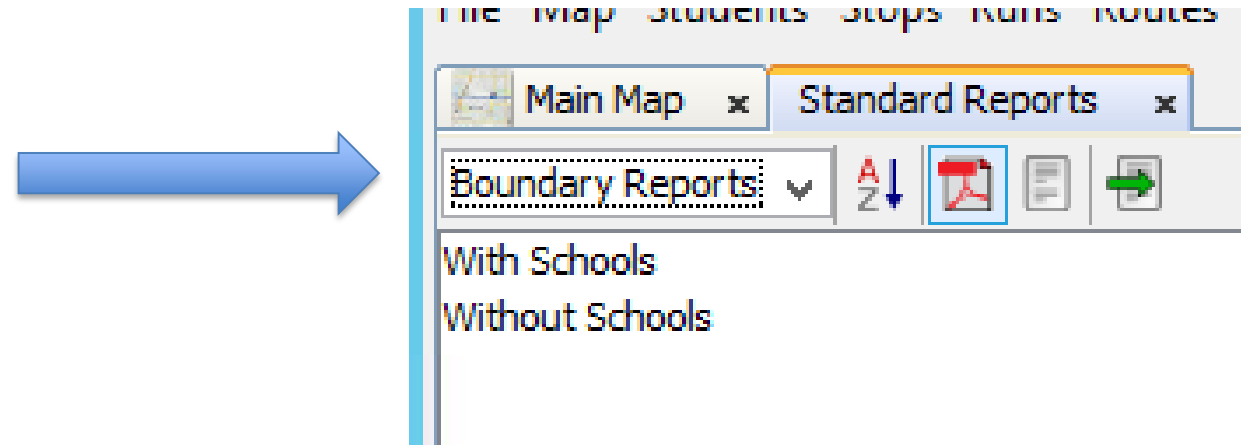


eSQL & Standard Reports – School Reports

School Reports

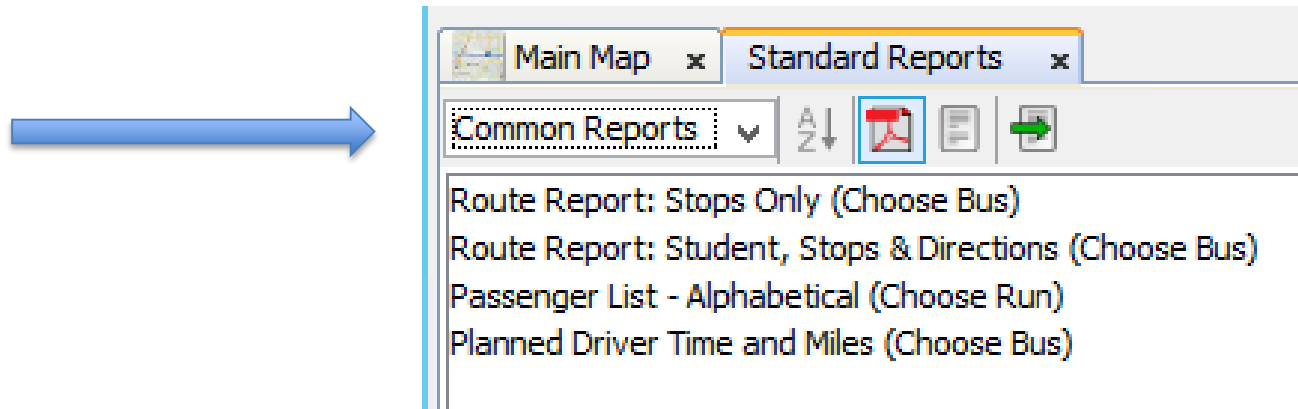


eSQL & Standard Reports – Boundary Reports



Boundary Reports

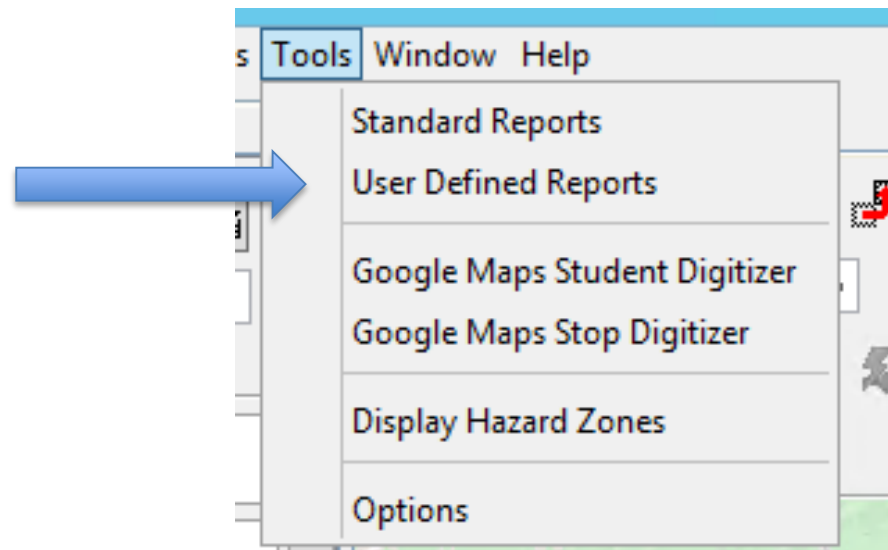
eSQL & Standard Reports –Common Reports



Common Reports

eSQL & User Define Reports

User Define
Reports is
located off the
main menu



eSQL & User Define Reports

User Define Reports are populated using the advance search options

The screenshot shows a software window titled "User Define Reports". On the left is a scrollable list of search criteria, each preceded by a checkbox. The "Gender" checkbox is checked and highlighted with a blue background. On the right is a configuration area for the selected "Gender" field. It shows "Gender (Text...)" with a dropdown menu set to "Equal" and a text input field containing the letter "M". At the bottom of the window are three buttons: "Test", "Search" (highlighted in blue), and "Close".

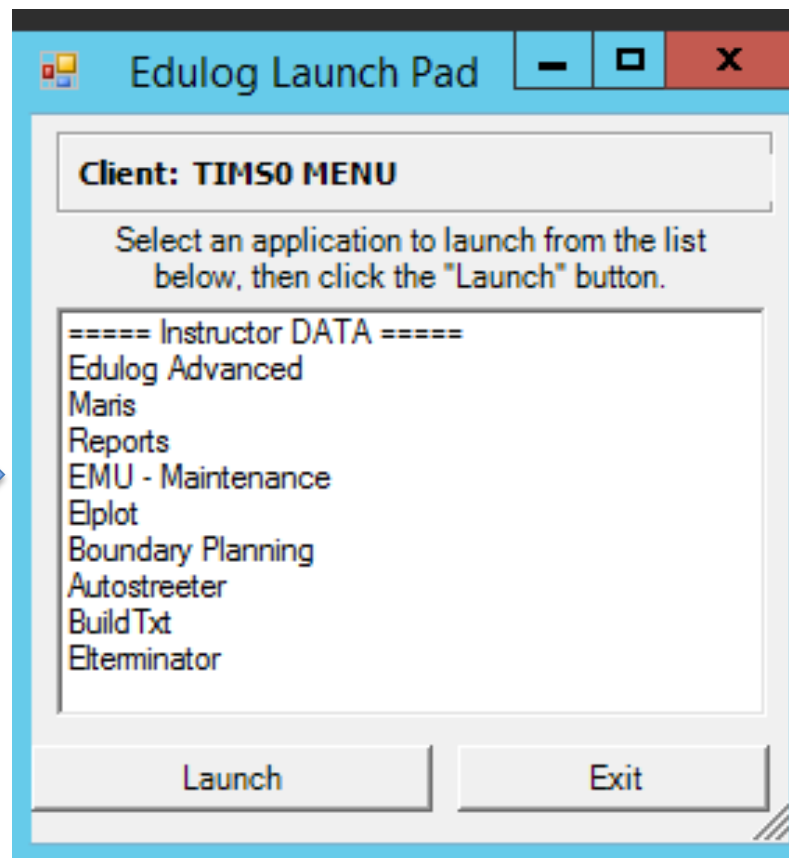
Search Criteria	Selected
<input type="checkbox"/> Distance To AM School Walk Map Units	No
<input type="checkbox"/> Distance To Closest School Walk	No
<input type="checkbox"/> Distance To Closest School Walk Map Units	No
<input type="checkbox"/> Distance To Official School Drive	No
<input type="checkbox"/> Distance To Official School Drive Map Units	No
<input type="checkbox"/> Distance To Official School Walk	No
<input type="checkbox"/> Distance To Official School Walk Map Units	No
<input type="checkbox"/> Distance To PM School Drive	No
<input type="checkbox"/> Distance To PM School Drive Map Units	No
<input type="checkbox"/> Distance To PM School Geo	No
<input type="checkbox"/> Distance To PM School Geo Map Units	No
<input type="checkbox"/> Distance To PM School Walk	No
<input type="checkbox"/> Distance To PM School Walk Map Units	No
<input type="checkbox"/> Distance To School Drive	No
<input type="checkbox"/> Distance To School Drive Map Units	No
<input type="checkbox"/> Distance To School Geo	No
<input type="checkbox"/> Distance To School Geo Map Units	No
<input type="checkbox"/> Distance To School Walk	No
<input type="checkbox"/> Distance To School Walk Map Units	No
<input type="checkbox"/> District Id	No
<input type="checkbox"/> Edulog Id	No
<input type="checkbox"/> Elg Changed	No
<input type="checkbox"/> Elg Code	No
<input type="checkbox"/> Elg Code Am	No
<input type="checkbox"/> Elg Code Pm	No
<input type="checkbox"/> Elg Code User	No
<input type="checkbox"/> Ethnicity	No
<input type="checkbox"/> First Name	No
<input type="checkbox"/> Frequency Location Am	No
<input type="checkbox"/> Frequency Location Pm	No
<input checked="" type="checkbox"/> Gender	Yes
<input type="checkbox"/> Government Id	No
<input type="checkbox"/> Grade	No
<input type="checkbox"/> Home Avl Exclusive	No
<input type="checkbox"/> Home Pickup	No
<input type="checkbox"/> Home Right Side	No

Configuration for Gender (Text...):
 Operator: Equal
 Value: M

Buttons: Test, Search, Close

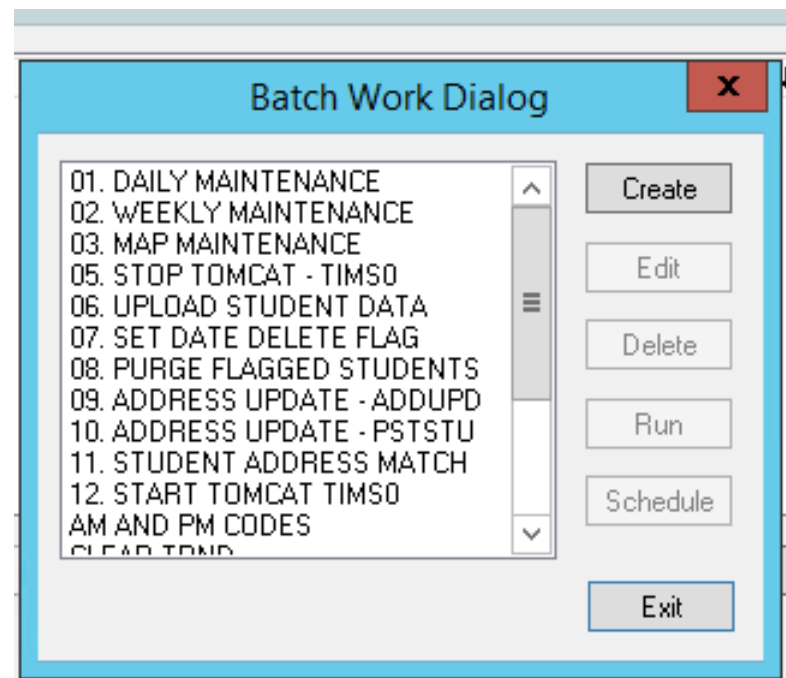
eSQL & EMU - UPSTUs

eSQL & EMU - UPSTUs



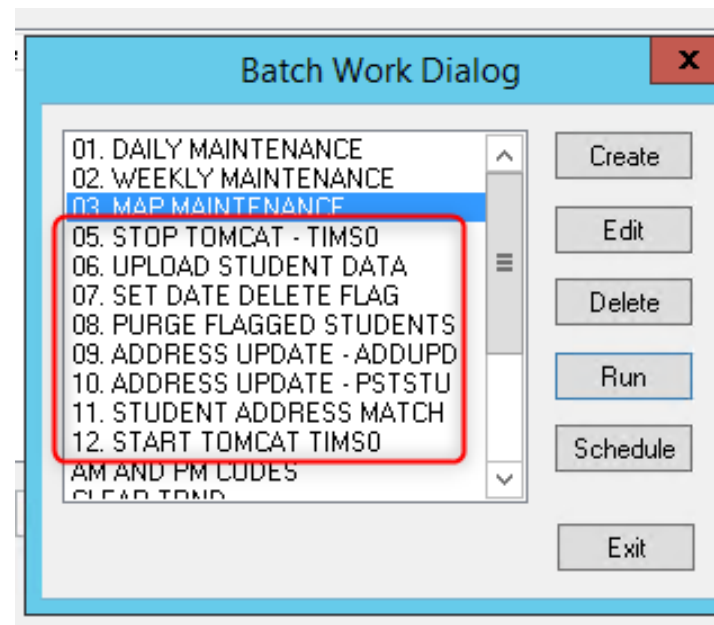
eSQL & EMU - UPSTUs

EMU is
created of
batches that
are unique.
Each batch
does
something
different.



eSQL & EMU - UPSTUs

Batches 5-12
is used for
UPSTUs.



1st you must create a newstu.dat
from powerschool.

UPSTU Instructions – Pre-Upstu

Pre-UpStu Steps

1. Make a Backup
2. Run a Student Counts Report:
 - a. Reports>Student Counts>Move Over All Schools>Update Data> SchlGrd Report
 - b. Take Note of Total Students, KI's PK's, etc
 - c. You will compare enrollment numbers after UpStu to ensure no problems occurred
3. Run Riders Reports: Student Ride Times>Update Data>Riders Report
 - a. Take Note of Total AM and Total PM Riders
 - b. You will compare AM/PM Ridership Totals after UpStu to see how many students lost their AM/PM bus assignments
4. Run Rider IDs Before UpStu (User-Defined>Bus Passes)
 - a. This file is needed for the Lost Assignments Program to work correctly.
 - b. Be Sure to Run this Report
 - c. The file should be written to C:\Lost Assignments\QMF Before
5. Run All Students Excel Sheet (User Defined>Bus Passes)
 - a. This Excel Sheets Contains the Following
 - i. EduLog ID, First Name, Last Name, School, Grade, Residence Address, Stop#, Stop Location, Run & RTE#
 - b. You can use this excel file after UpStu to look up any previous student information (address, school, grade, stop, run, route, etc)
6. Check UnMatched Before – Take Note of How Many (Standard>Student>Unmatched)
 - a. You will check the total UnMatched after UpStu to see how many invalid address were imported
7. Get PowerSchool TIMS Extract and Move/Save to Server
 - a. On the TIMS Server, Open the newly obtained PowerSchool Extract in Textpad and make sure the columns are lined up and straight. Then choose File>Save As and Save over existing NewStu.dat located at Elt>'Dataset'>Server>Export ... where 'Dataset' is LIVE, FALL, PLAN, WI, etc...

This Completes all of the Pre-UpStu Steps

UPSTU Instructions – Importing Data

EMU – Batches #6-#11

THIS COMPLETES ALL OF THE UPSTU STEPS

UpStu - Importing Student Data from PowerSchool

8. Run EMU Batches (one at a time)
 - a. STOP ESQL (TomCat) to Disconnect Google
 - b. #6 Upload Student Data (if ERROR, make sure NewStu was named correctly and is in the correct Export folder – Elt\Dataset\Server\Export)
 - c. #7 Set Flags (flags recent graduates or students no longer enrolled in your LEA)
 - d. #8 Purge Students (removes students flagged in Batch #7)
 - e. #9 Address Update (if applicable to your LEA, see QRG #9 for more info)
 - f. #10 Post Stu (if applicable to your LEA, see QRG #8 for more info)
 - g. #11 Student Address Match (reads newly imported student addressing and attempts to match to TIMS Geocode)
 - h. START ESQL (TomCat) to Reconnect Google

UPSTU Instructions – Post Upstu Steps

Post-UpStu Steps

9. Run a Student Counts Report and Compare to Before
 - a. Look for extreme differences that may indicate an error during Upstu
 - b. Enrollment Numbers should be somewhat consistent (by school, grade and total)
10. Run Riders Report
 - a. Compare Total Riders (AM and PM) to Before
 - b. The difference is how many student lost their AM/PM assignment during UpStu
11. Run Rider IDs After UpStu (User-Defined>Bus Passes)
 - a. This file is needed for the Lost Assignments Program to work correctly
 - b. Be sure to Run this Report
 - c. The file should be written to C:\Lost Assignments\QMF After
12. Check Unmatched Students After
 - a. The steps to fix address errors in PowerSchool varies by LEA
 - b. Some TIMS Folks fix them all, others send lists to their Data Managers
 - c. Address errors need to be fixed in PowerSchool, otherwise they will come in incorrect every time you UpStu
13. Review the UPSTU.AUD File in Textpad (located at Elt>Dataset> Server>EMU Batches>Output folder)
 - a. Can sort by the various Change Columns to identify how students changed during UPSTU
14. Run Lost Assignments Report (Open Lost Assignments Database or use Desktop Icon)
 - a. This report lists all of the students who no longer have a Bus Assignment in TIMS but they did have one before UpStu
 - b. It is typically Address Changes and School Changes that will result in a Lost Assignments
 - c. Deleted Report is students who have withdrawn and no longer need transportation.

UPSTU Instructions – Clean up Steps

Clean Up Work

15. Clean it Up!

- a. Use the Lost Assignments Report, UPSTU.AUD File and All Students Excel Sheet together for your Detective Work
 - i. How/Why did they lose their assignment
 - ii. If School Change, look for new Transportation Form from New School
 - iii. If Address Change, use Lost Assignments or UPSTU.AUD to compare new address to old address
 1. If it is a True Move, look for new Transportation Form for New Address
 2. If Address is a Typo Error(similar to before but with new or corrected misspelling), then simply reassign to their previous stop
- b. Update Bus Routes and add any new students assignments – use AM/PM TrnD Fields if possible
- c. Distribute updated Route Directions and Passenger Lists to Schools and Drivers

16. NEW – Complete the TIMS Bus Stop Extract and Import into PowerSchool

- a. **WARNING: DO NOT LOAD BAD DATA INTO POWERSCHOOL**
- b. Make sure you trust your data before you import back into PowerSchool

- **Advanced Searches**
- **Student Tallies, Data Exports and Printing Maps**
- **Reversing Runs and Echoing Stops**
- **Additional TIMS Classes**

eSQL Advanced Searches

Advanced Search: using this icon



Advanced Searches allow you to save potential searches to quickly retrieve common data later and also provide more flexibility to display specific types of data. It is worth the time it takes to set up an Advanced Search as it helps you more easily load data.

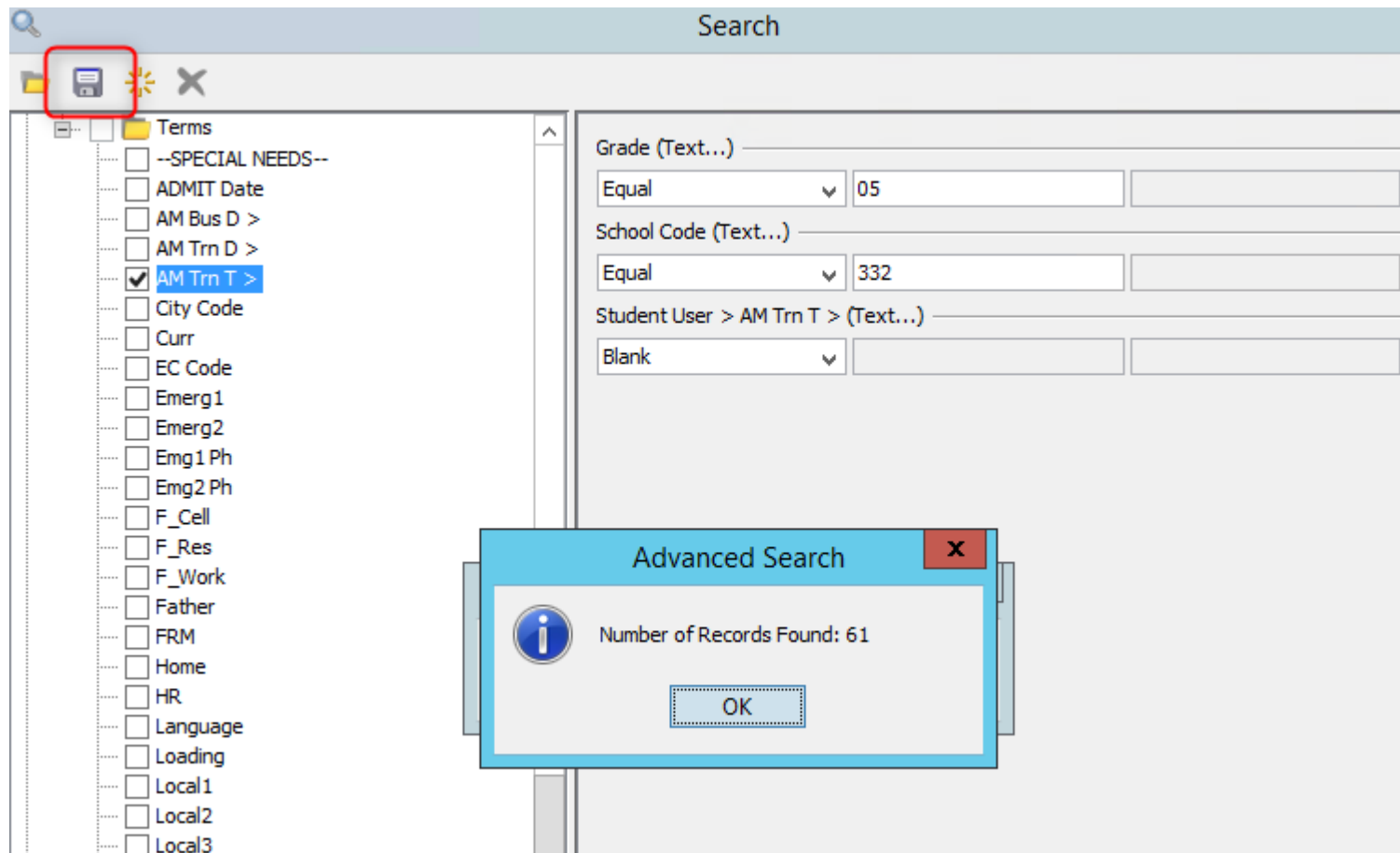
Example of Advanced Search:

- School = 304
- Grade = KI
- AM Trn T = Y

With Advanced Searches you have the option of selecting many fields. NOTE: For advance worklists I recommend using launch pad. You do not that the ability to use OR in Advanced.

eSQL Advance Searches

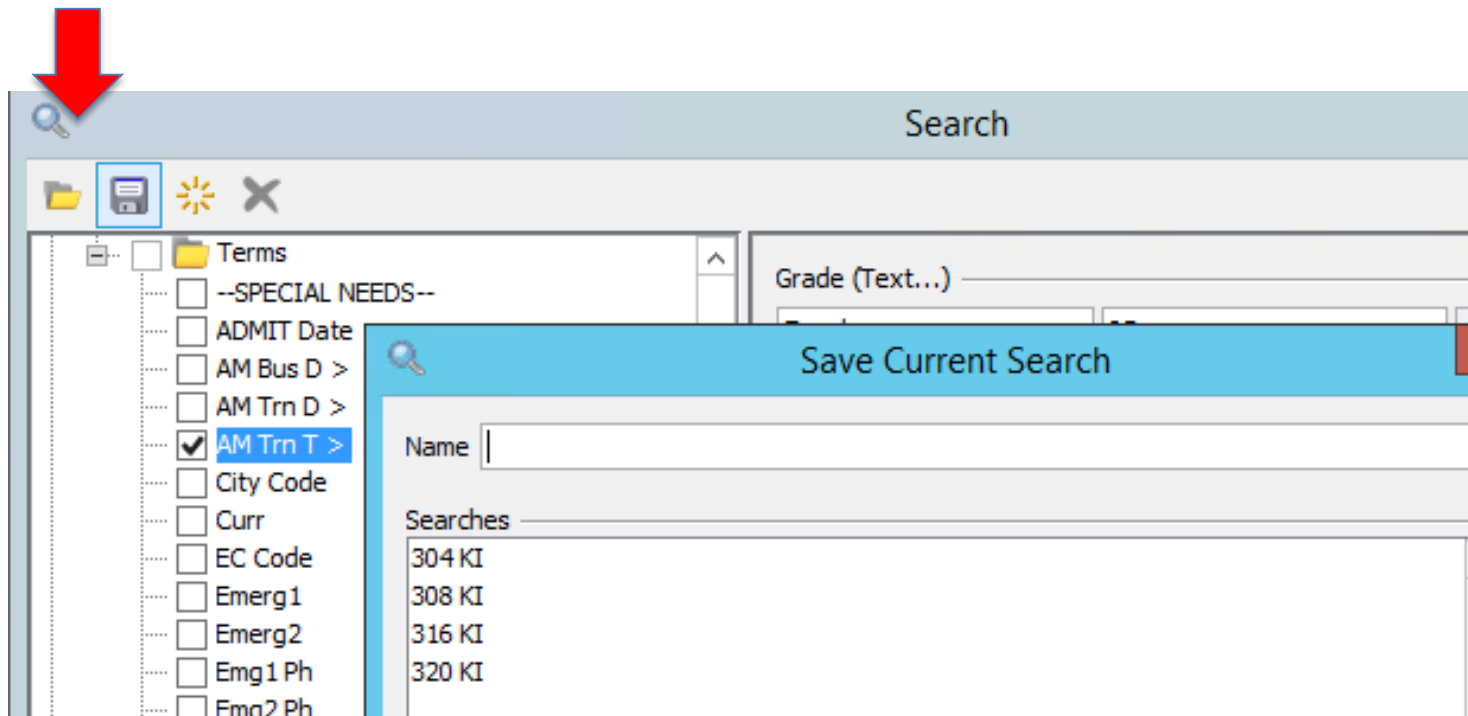
eSQL Advance Searches can be saved and used at a later date.



eSQL Advance Searches

To retrieve your worklist click on the folder.

Name the search so you don't have to re-create it each time.















Practice

Do an advance search of all the
KI students who attend 304.

Save the search.

Practice 1

Unassigned Students		<input checked="" type="checkbox"/>
<input checked="" type="checkbox"/>	7499329488 - BROWN, DANIEL	<input checked="" type="checkbox"/> 
<input type="checkbox"/>	8585786442 - BROWN, GAVIN	<input checked="" type="checkbox"/> 
<input type="checkbox"/>	1374714852 - CHANDLER, ELIJAH	<input checked="" type="checkbox"/> 
<input type="checkbox"/>	6996289939 - CHANDLER, KAIYA	<input checked="" type="checkbox"/> 
<input type="checkbox"/>	6793211242 - COFFEY, ALEESHA	<input checked="" type="checkbox"/> 
<input type="checkbox"/>	7371796772 - CROOKS, JAMES	<input checked="" type="checkbox"/> 
<input type="checkbox"/>	2816553345 - DECKER, DAISY	<input checked="" type="checkbox"/> 
<input type="checkbox"/>	7451437299 - DULA, LAYNA	<input checked="" type="checkbox"/> 
<input type="checkbox"/>	9318328281 - EVANS, DONAVER	<input checked="" type="checkbox"/> 
<input type="checkbox"/>	1486814263 - GILMORE, EMERY	<input checked="" type="checkbox"/> 
<input type="checkbox"/>	1214932312 - HELMS, BROOKLYN	<input checked="" type="checkbox"/> 
<input type="checkbox"/>	3448435635 - HICKS, ARIEL	<input checked="" type="checkbox"/> 

Assign the following students to a stop
Start all stops with 304.X01

Once you have assign the students to stops 304.X01,
Display all the 304.X... Stops.

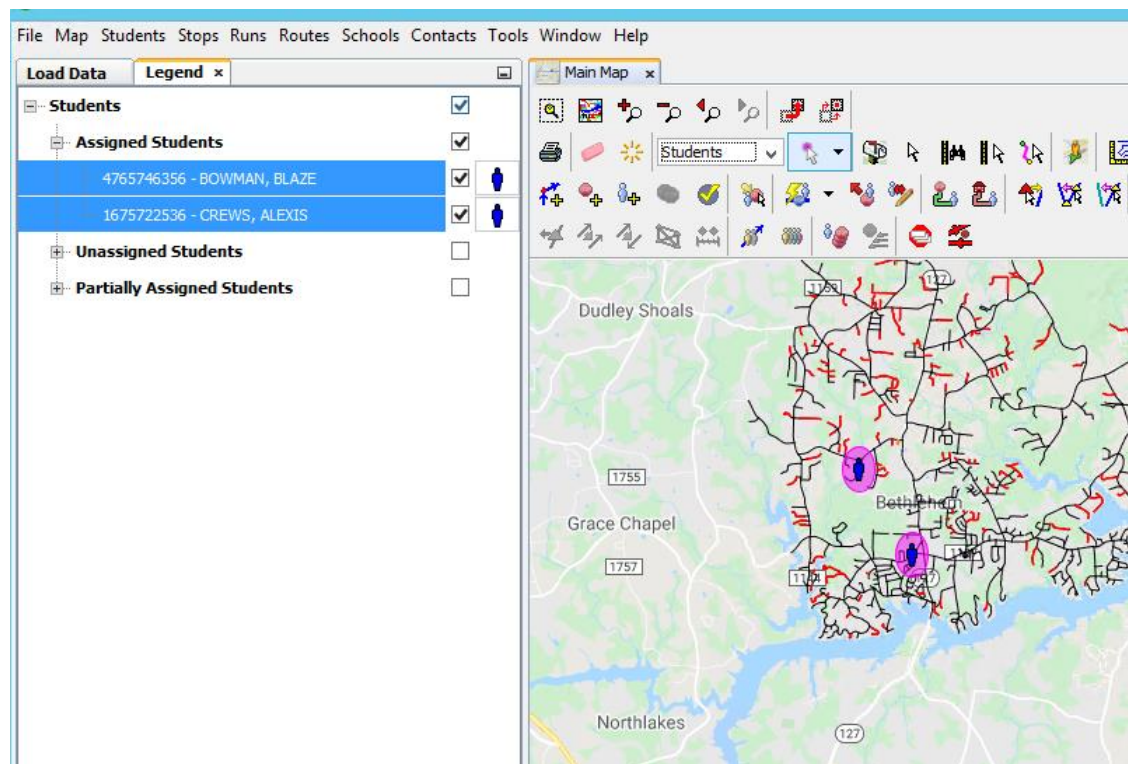
Create a new run 304.0X1 with the new stops for AM.

Practice

- Now Reverse the Run
304.0X1 for the PM run
304.1X1
- Don't forget to reprocess
your runs.

Practice 2 – Echo Stops

Pull up the students listed and echo their stops to school code 316. We use this a lot for Summer School, Meal Routes and 5th going to Middle school and 9th going to High School. This is how we did the A/B Cohort with the Local fields as well.



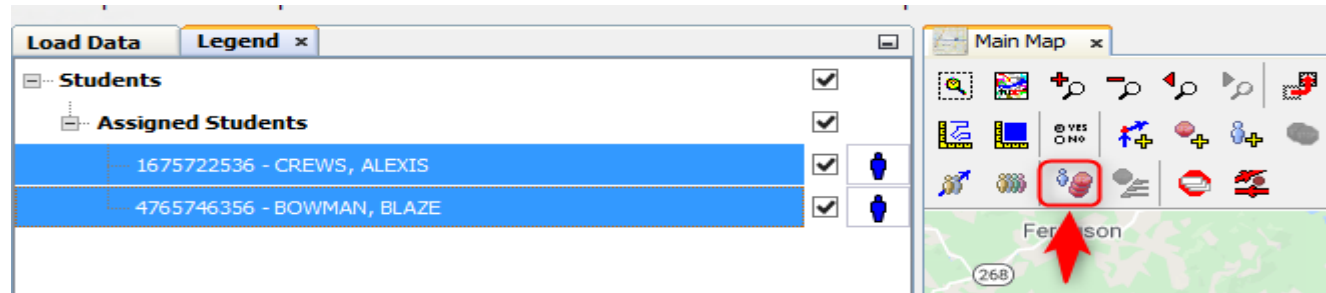
Practice 2 – Echo Stops

- Hint: you will not be able to echo the stops unless you have their stop displayed on the main map.
- You can do this 2 ways:
 - 1. Worklist
 - 2. By displaying the stop id

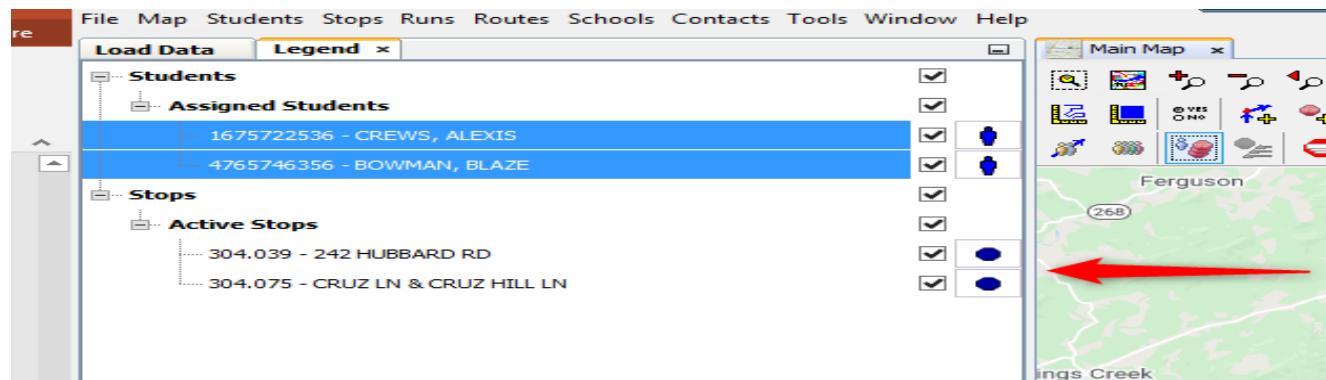
Practice 2 – Echo Stops

Clone Stops for the students listed below.

Hint: you will need to load stops before you can clone.

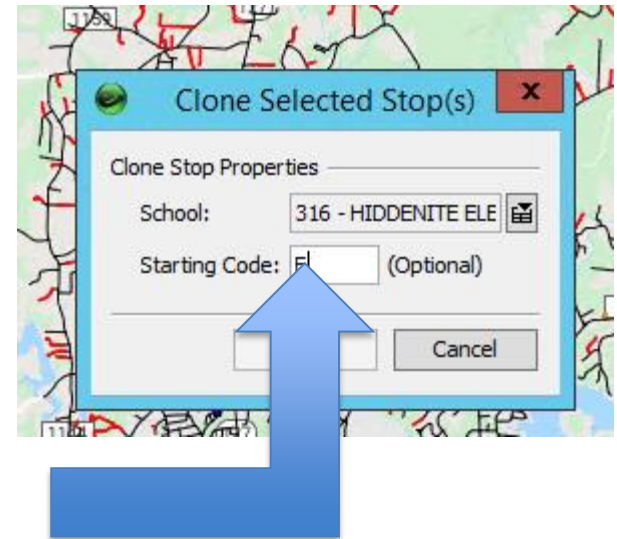


Load stops for students.



Practice 2 – Echo Stops

Students		
Assigned Students		<input checked="" type="checkbox"/>
1675722536 - CREWS, ALEXIS		<input checked="" type="checkbox"/>
4765746356 - BOWMAN, BLAZE		<input checked="" type="checkbox"/>
Stops		<input checked="" type="checkbox"/>
Active Stops		<input checked="" type="checkbox"/>
304.039 - 242 HUBBARD RD		<input checked="" type="checkbox"/>
304.075 - CRUZ LN & CRUZ HILL LN		<input checked="" type="checkbox"/>



Highlight the stops you want to clone. Start with the stop id with 316.**X01**. (Use patterns to help you with worklists.)
Once I have echoed all the stops display the 316.Xs and drag to new runs.

Practice 2 – Echo Stops

Stops

Active Stops

- 304.075 - CRUZ LN & CRUZ HILL LN
- 304.039 - 242 HUBBARD RD

Cloned Stops

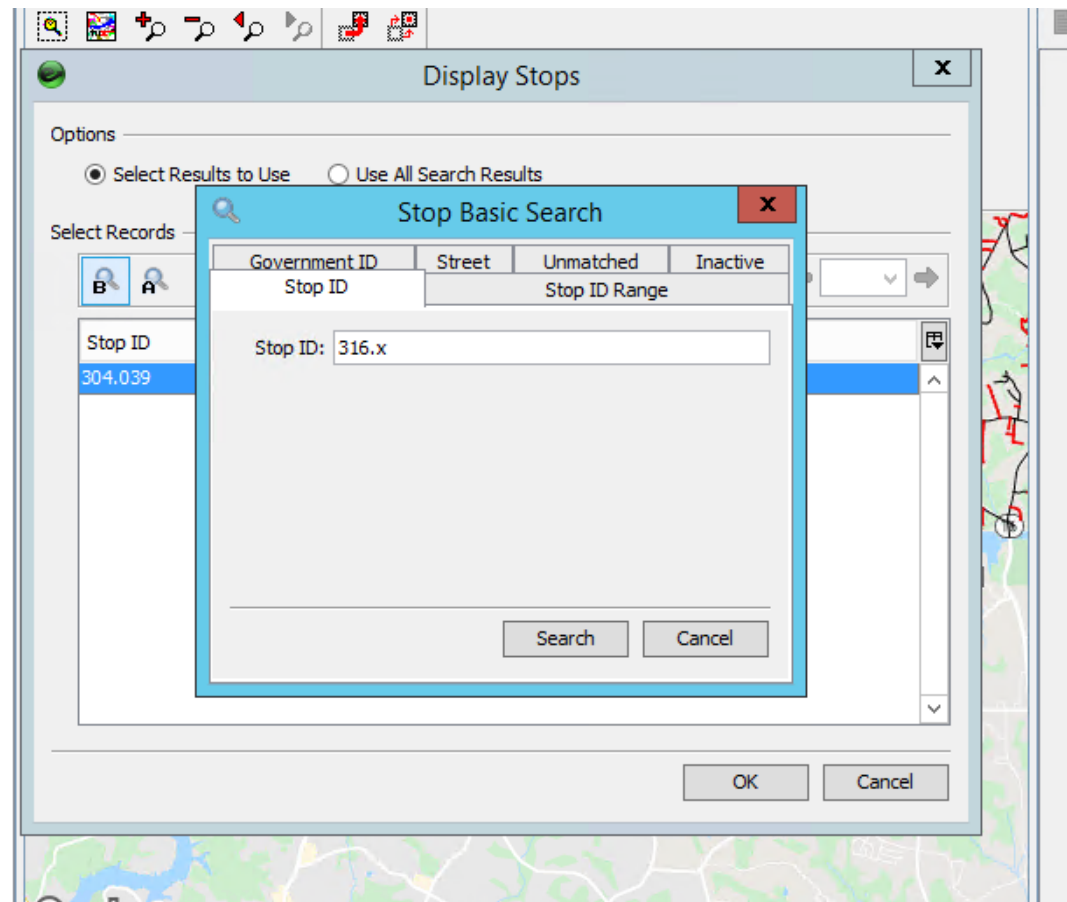
- 316.X01 - CRUZ LN & CRUZ HILL LN
- 316.X02 - 242 HUBBARD RD

☒
☒
☒
☒
☒
☒

The map displays a network of roads in a rural area. Two yellow circles with black centers are placed on the map, highlighting specific locations. The roads are labeled with numbers in boxes: 1755, 1757, 127, and 112. The area is labeled 'Bethel Church' and 'Northlakes'.

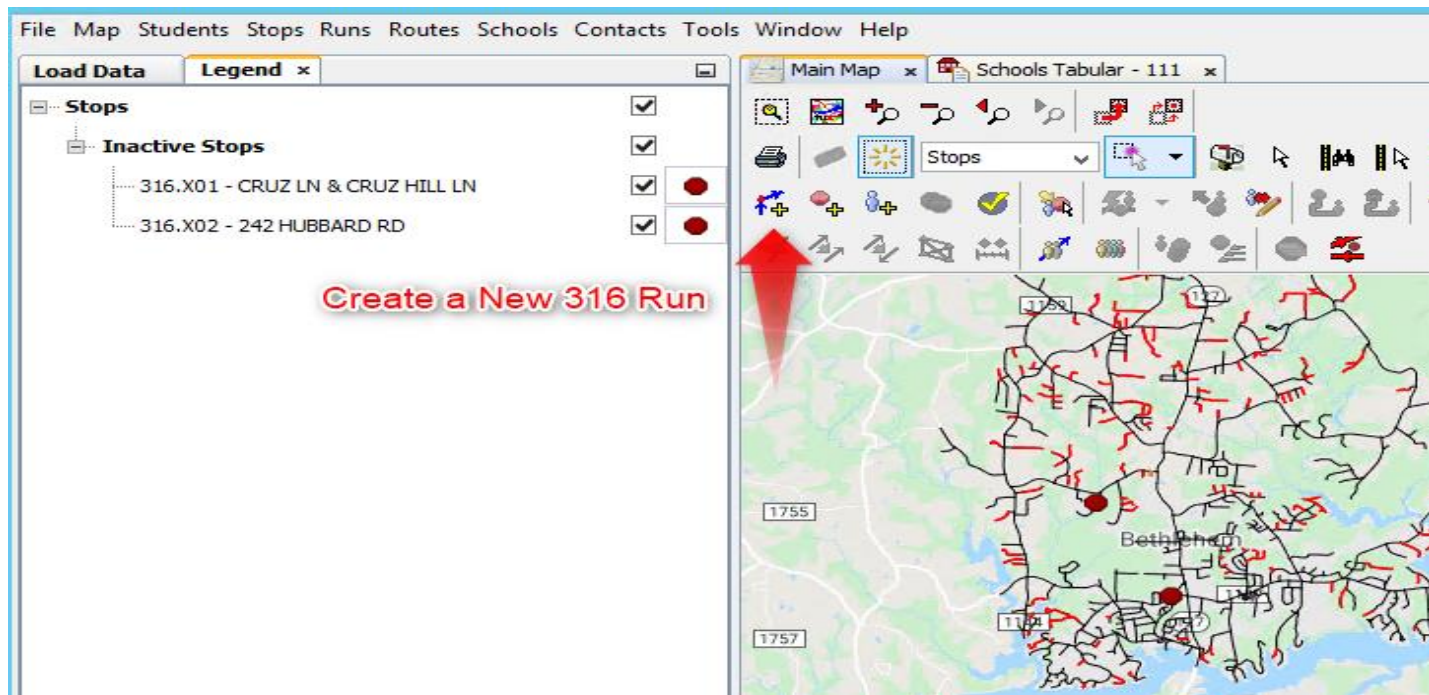
Practice 2 – Echo Stops

Display your new 316.X.. Stops

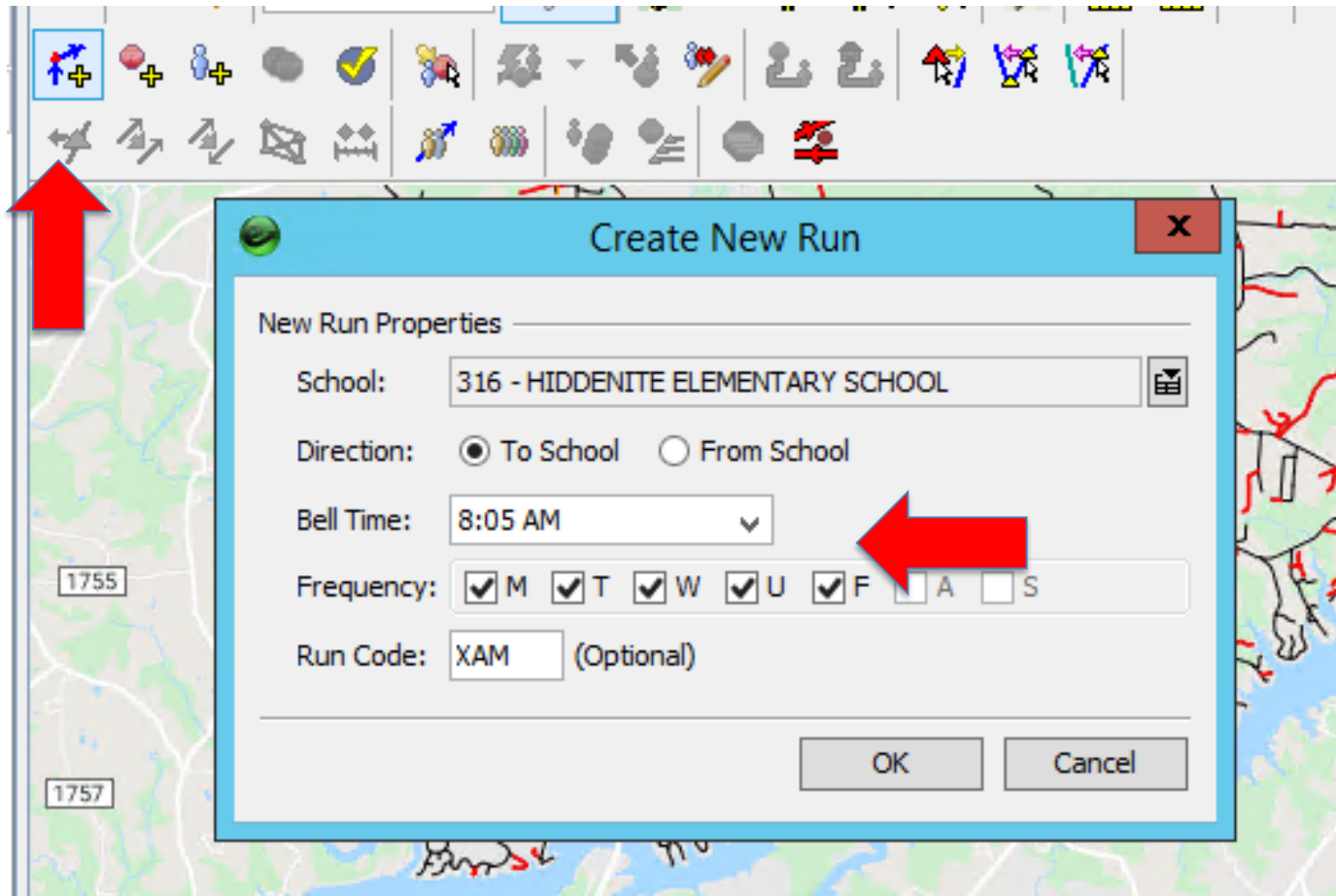


Practice 2 – Creating New Run

Remember we have not assign the stops to the students.
For training purposes we will continue to build the run without the students assigned to the stops. Or you can change their school code to 316 and assign the stop to the students.

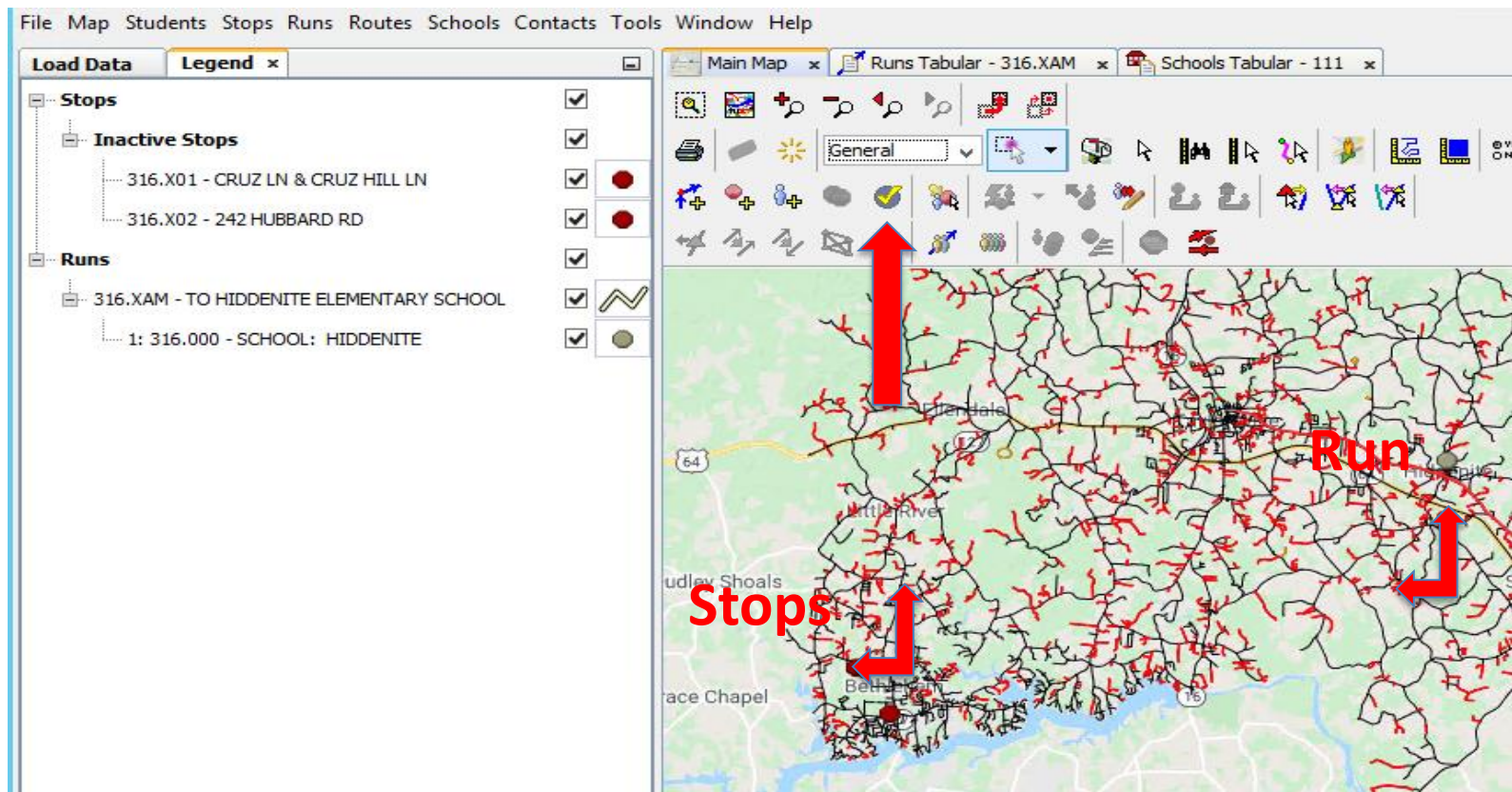


Practice 2 – Creating New Run



Practice 2 – Creating New Run

You can't see the run because it only has the school currently listed. Add a checkpoint.



Practice 2 – Creating New Run

Assign a Checkpoint and stops graphically using the icon below.

The screenshot displays the ITRE software interface. On the left, the 'Legend' pane shows a tree structure with 'Stops', 'Inactive Stops', 'Checkpoints', and 'Runs'. The 'Runs' section is expanded, showing a run named '316.XAM - TO HIDDENITE ELEMENTARY SCHOOL' with two stops: '@CP.007 - CHECKPOINT 1109 BERIA CHURCH QU' and '2: 316.000 - SCHOOL: HIDDENITE'. The main map area shows a road network with a red arrow pointing to a specific icon in the toolbar. The 'Properties' pane on the right shows details for the selected run, including Run ID, Description, Direction, Frequency, Max Load, Max. Time, Comments, Map Type, Start Time, End Time, Total Time, Actual Load, Route, Bus #, Slack, Idle, Time Changed, School, and Bell Time.

Run ID	Description	Direction	Frequency	Max Load	Max. Time	Comments	Map Type	Start Time	End Time	Total Time	Actual Load	Route	Bus #	Slack	Idle	Time Changed	School	Bell Time
316.XAM	TO HIDDENITE ELEMENTARY SCHOOL	To School	MTWUF--	60	60		0	7:23 AM	7:30 AM	00:06	0					09/16/2020, 2:07:02 PM	316 - HIDDENITE ELEME...	8:05 AM

Practice 2 – Creating New Run

Run is done and you can go straight to Runs Tabular by clicking this icon.

The screenshot shows the ITRE software interface. The 'Runs Tabular' window is active, displaying a list of runs for '316.XAM - TO HIDDENITE ELEMENTARY SCHOOL'. The 'Properties' panel on the right shows details for the selected run.

Run ID	Description	Direction	Frequency	Max Load	Max. Time	Comments	Map Type	Start Time	End Time	Total Time	Actual Load	Route	Bus #	Slack	Idle	Time Changed
316.XAM	TO HIDDENITE ELEMENTARY SCHOOL	To School	MTWUF--	60	60		0	6:23 AM	7:30 AM	01:07	0					09/16/2020, 2:10:05 PM

The 'Properties' panel also includes a table for the school's bell time:

School	Bell Time
316 - HIDDENITE ELEME...	8:05 AM

Creating New Run – Runs Tabular

File Map Students Stops Runs Routes Schools Contacts Tools Window Help

Main Map x Runs Tabular - 316.XAM x Schools Tabular - 111 x

Search Results

Info View Map View

Run Basic Information

Run ID: 316.XAM Description: TO HIDDENITE ELEMENTARY SCHOOL Time Changed: 09/16/2020, 2:10:05 PM

Direction: To School Frequency: MTWUF-- Max. Load: 60 Max. Time: 60

Comments: Map Type: 0

Run Transportation Information

Start Time: 6:23 AM End Time: 7:30 AM School: 316 - HIDDENITE ELEMENT... Bell Time: 8:05 AM

Total Time: 01:07 Actual Load: 0

Loaded Distance: 21.01 mi.

Stops on Run

Seq. #	Stop ID	Stop Description	Stop Time	Stop Load	Run Load	DH (mm:ss)
1	@CP.007	CHECKPOINT	6:23 AM	0	0	00:00
2	316.X01	CRUZ LN & CRUZ HILL LN	6:58 AM	0	0	35:00
3	316.X02	242 HUBBARD RD	7:03 AM	0	0	05:24
4	316.000	SCHOOL: HIDDENITE	7:30 AM	0	0	26:36

Routes for Run

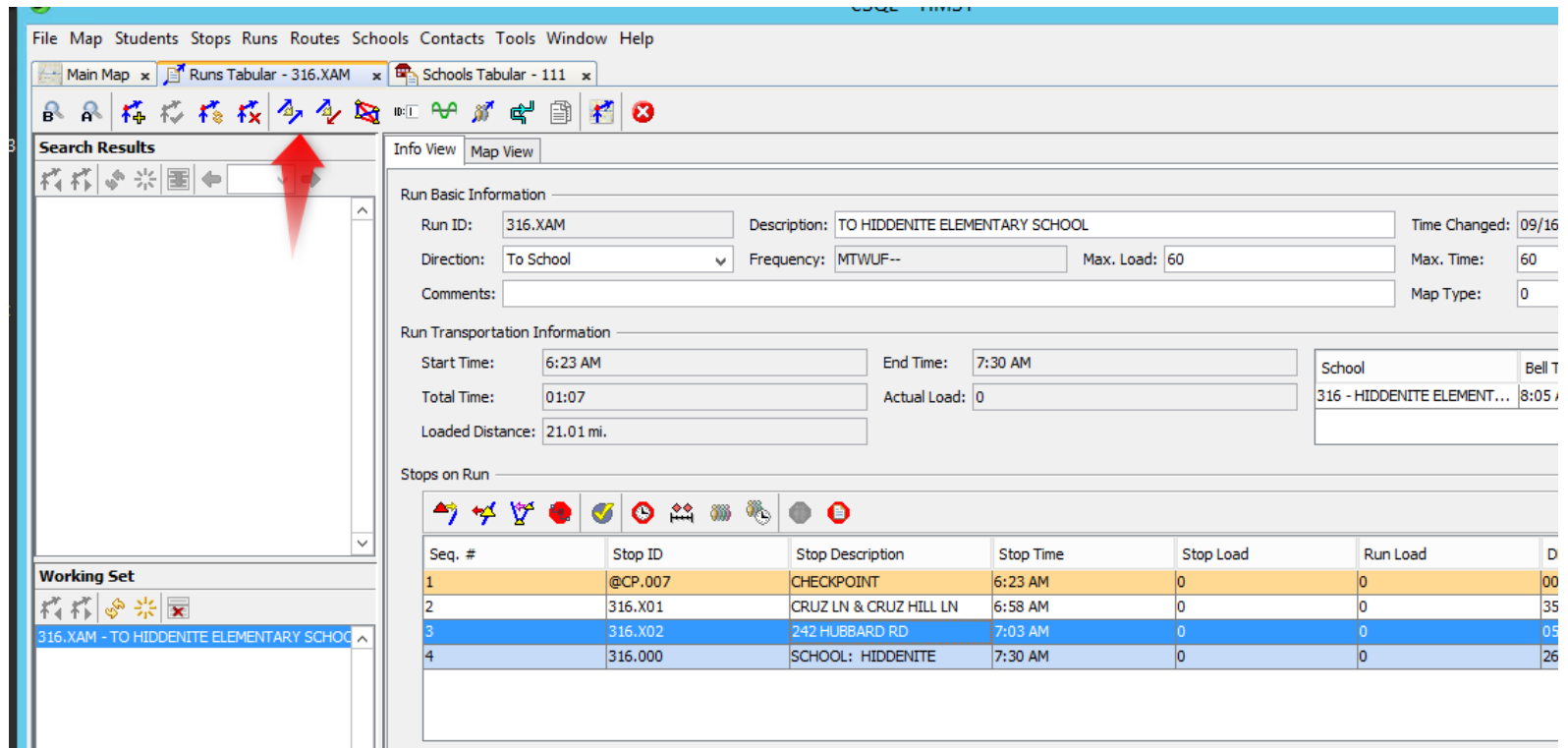
Route ID	Route Description	Vehicle Name	Frequency	Slack (min.)	Idle (min.)
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Working Set

316.XAM - TO HIDDENITE ELEMENTARY SCHOOL

Creating New Run – Copy or Reverse

Here you can copy or reverse a run in Student Tabular but you can also do this on the main map.



The screenshot shows the ITRE software interface with the 'Runs Tabular' window open. A red arrow points to the 'Copy' icon in the toolbar. The 'Info View' tab is active, displaying details for Run 316.XAM. The 'Stops on Run' table is also visible.

Seq. #	Stop ID	Stop Description	Stop Time	Stop Load	Run Load	D
1	@CP.007	CHECKPOINT	6:23 AM	0	0	00
2	316.X01	CRUZ LN & CRUZ HILL LN	6:58 AM	0	0	35
3	316.X02	242 HUBBARD RD	7:03 AM	0	0	05
4	316.000	SCHOOL: HIDDENITE	7:30 AM	0	0	26

Practice 2 – Reversing a Run

Copy Run

Run Information

Direction: From School School: HIDDENITE ELEMENTARY SCHOOL

Run ID: 316 XAM Run Description:

☒ Create Services ☐ Reassign Stops ☐ Copy Head Counts

Schools On Run

Code	Name	Bell Time	New Bell Time
316	HIDDENITE ELEMENTARY SCHOOL	8:05 AM	3:10 PM

OK Cancel

Now you have the PM run

Reverse Run

Run Information

Direction: From School School: HIDDENITE ELEMENTARY SCHOOL

Run ID: 316 XPM Run Description:

☒ Create Services ☐ Reassign Stops ☐ Copy Head Counts

Schools On Run

Code	Name	Bell Time	New Bell Time
316	HIDDENITE ELEMENTARY SCHOOL	8:05 AM	3:10 PM

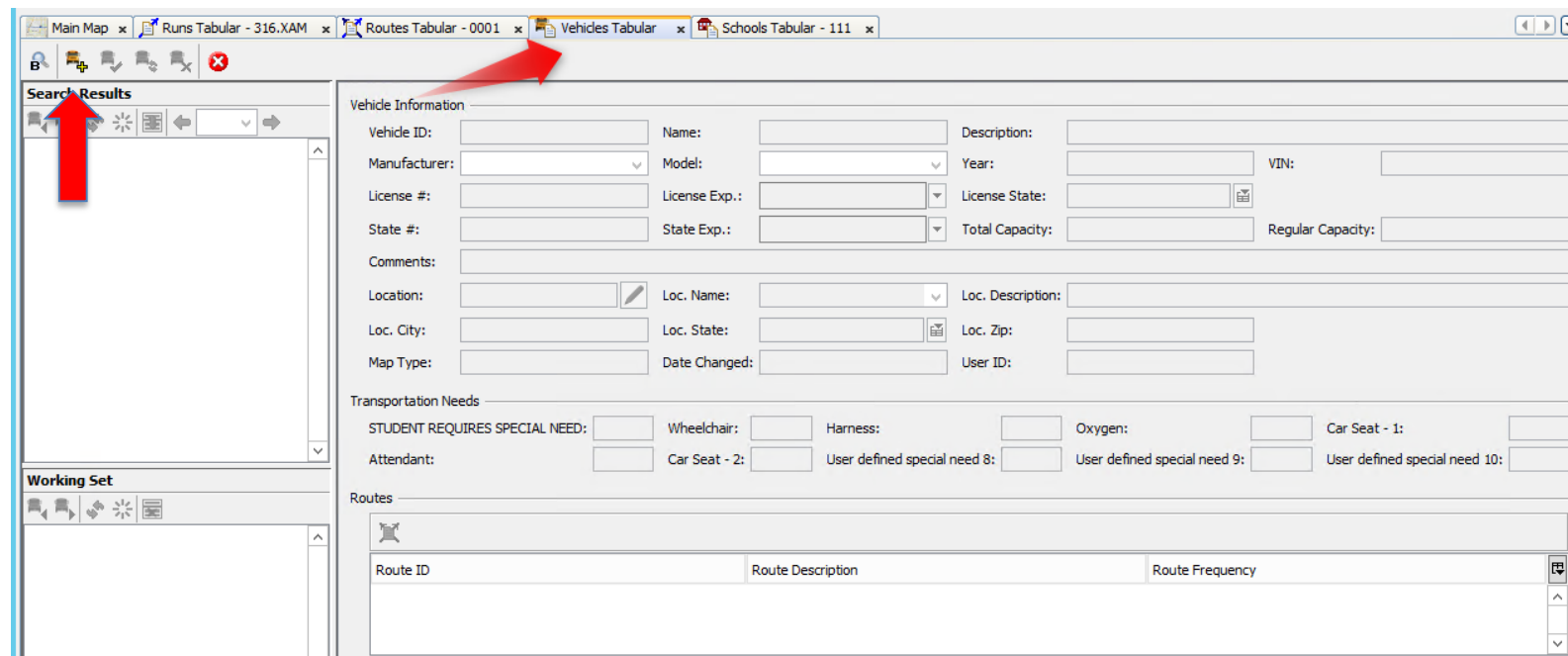
OK Cancel

Practice 3 – Create a new Route ID

- Create a new Route ID of 0001
- Add the AM Run 316.XAM
- Add the PM Run 316.XPM

Practice 3 – Create a new Route ID

Route Tabular - Vehicles Tabular



The screenshot displays the ITRE software interface with the 'Vehicles Tabular' window active. The top menu bar shows several tabs: 'Main Map', 'Runs Tabular - 316.XAM', 'Routes Tabular - 0001', 'Vehicles Tabular' (highlighted with a red arrow), and 'Schools Tabular - 111'. The left sidebar contains a 'Search Results' panel (highlighted with a red arrow) and a 'Working Set' panel. The main area is divided into sections for 'Vehicle Information', 'Transportation Needs', and 'Routes'.

Vehicle Information

Vehicle ID: Name: Description:
 Manufacturer: Model: Year: VIN:
 License #: License Exp.: License State: ☐
 State #: State Exp.: Total Capacity: Regular Capacity:
 Comments:
 Location: Loc. Name: Loc. Description:
 Loc. City: Loc. State: ☐ Loc. Zip:
 Map Type: Date Changed: User ID:

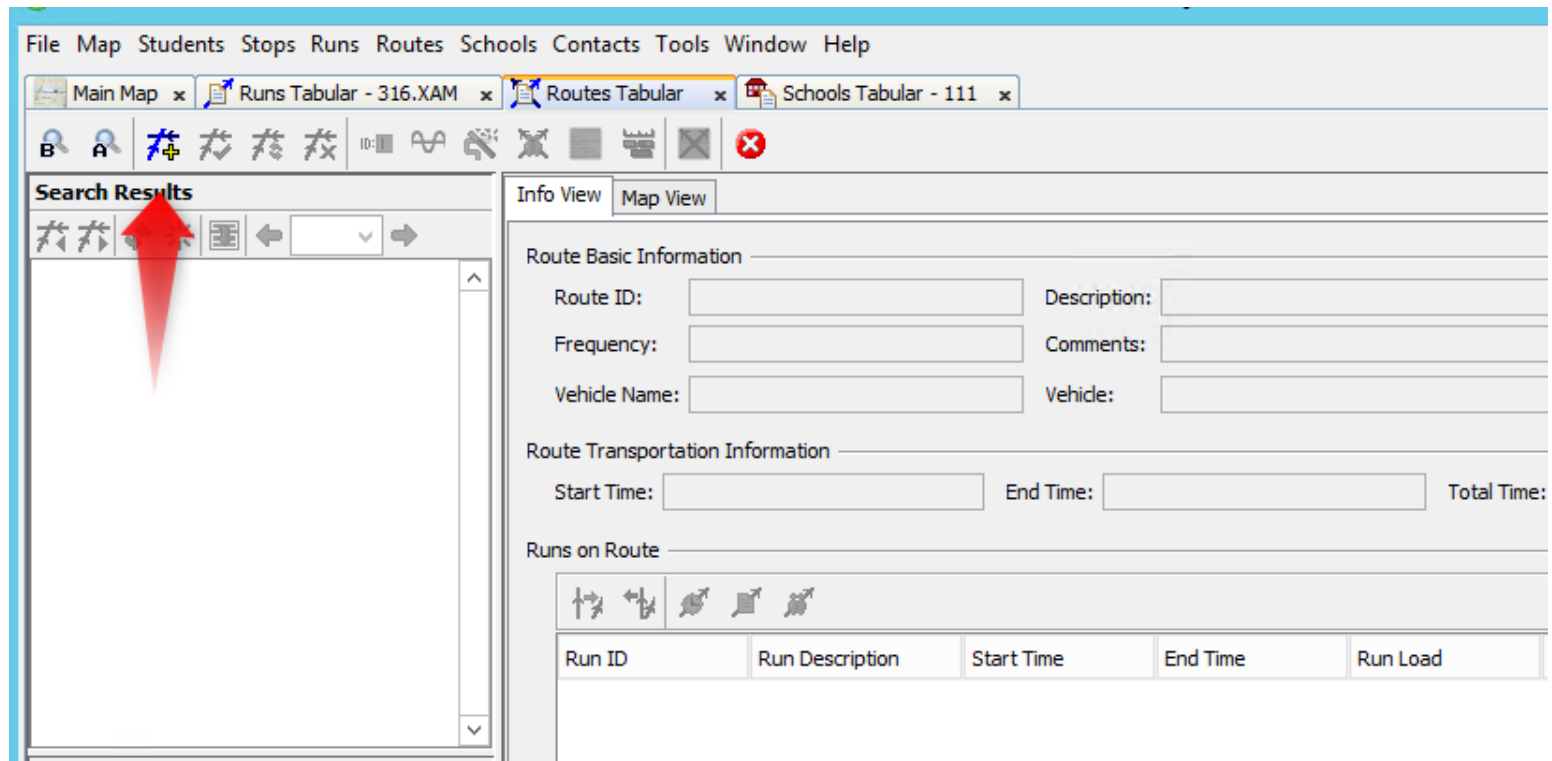
Transportation Needs

STUDENT REQUIRES SPECIAL NEED: ☐ Wheelchair: ☐ Harness: ☐ Oxygen: ☐ Car Seat - 1:
 Attendant: ☐ Car Seat - 2: User defined special need 8: User defined special need 9: User defined special need 10:

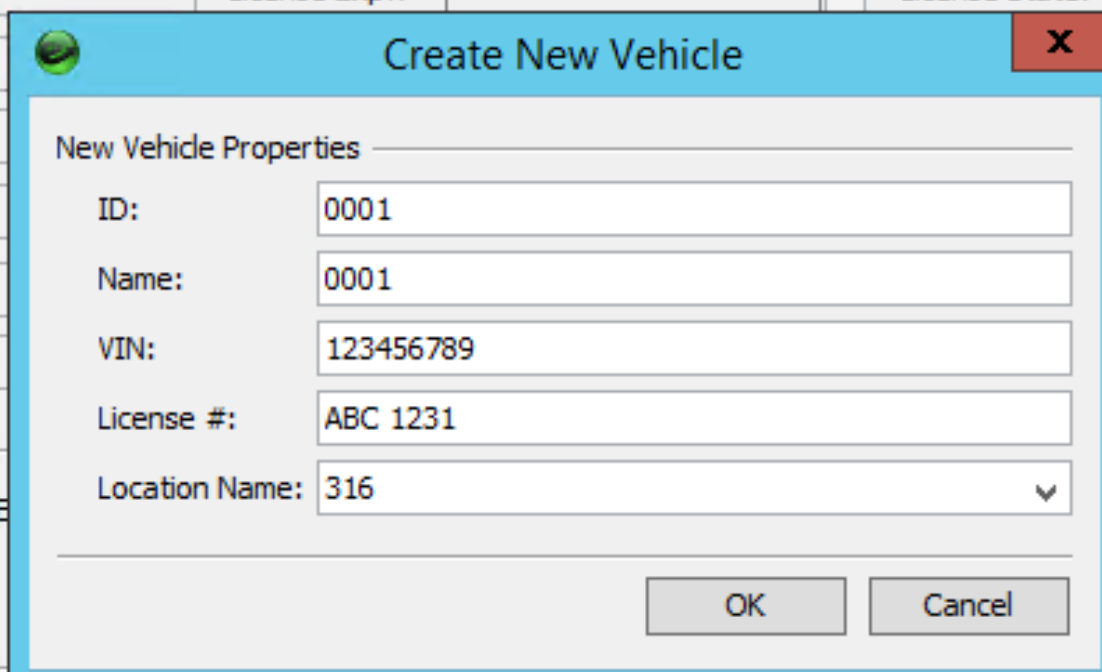
Routes

Route ID	Route Description	Route Frequency

Practice 3 – Create a new Route ID



Practice 3 – Create a new Route ID



The screenshot shows a 'Create New Vehicle' dialog box with a light blue title bar and a green maximize button. The dialog contains a section titled 'New Vehicle Properties' with five input fields: 'ID:' (0001), 'Name:' (0001), 'VIN:' (123456789), 'License #:' (ABC 1231), and 'Location Name:' (316). The 'Location Name' field is a dropdown menu. At the bottom right are 'OK' and 'Cancel' buttons.

New Vehicle Properties	
ID:	0001
Name:	0001
VIN:	123456789
License #:	ABC 1231
Location Name:	316

Practice 3 – Create a new Route ID

Here you can add more details.

The screenshot shows a software application window with multiple tabs: 'Main Map', 'Runs Tabular - 316.XAM', 'Routes Tabular - 0001', 'Vehicles Tabular - 0001', and 'Schools Tabular - 111'. The 'Routes Tabular - 0001' tab is active, displaying a form for creating a new Route ID.

Search Results

Working Set

Vehicle Information

Vehicle ID: 0001 Name: 0001 Description:
 Manufacturer: Model: Year: VIN: 123456789
 License #: ABC 1231 License Exp.: 01/01/1900 License State:
 State #: State Exp.: 01/01/1900 Total Capacity: 0 Regular Capacity: 0
 Comments:
 Location: Loc. Name: 316 Loc. Description:
 Loc. City: Loc. State: Loc. Zip:
 Map Type: 0 Date Changed: 09/16/2020, 2:50:52 PM User ID: SYSTEM

Transportation Needs

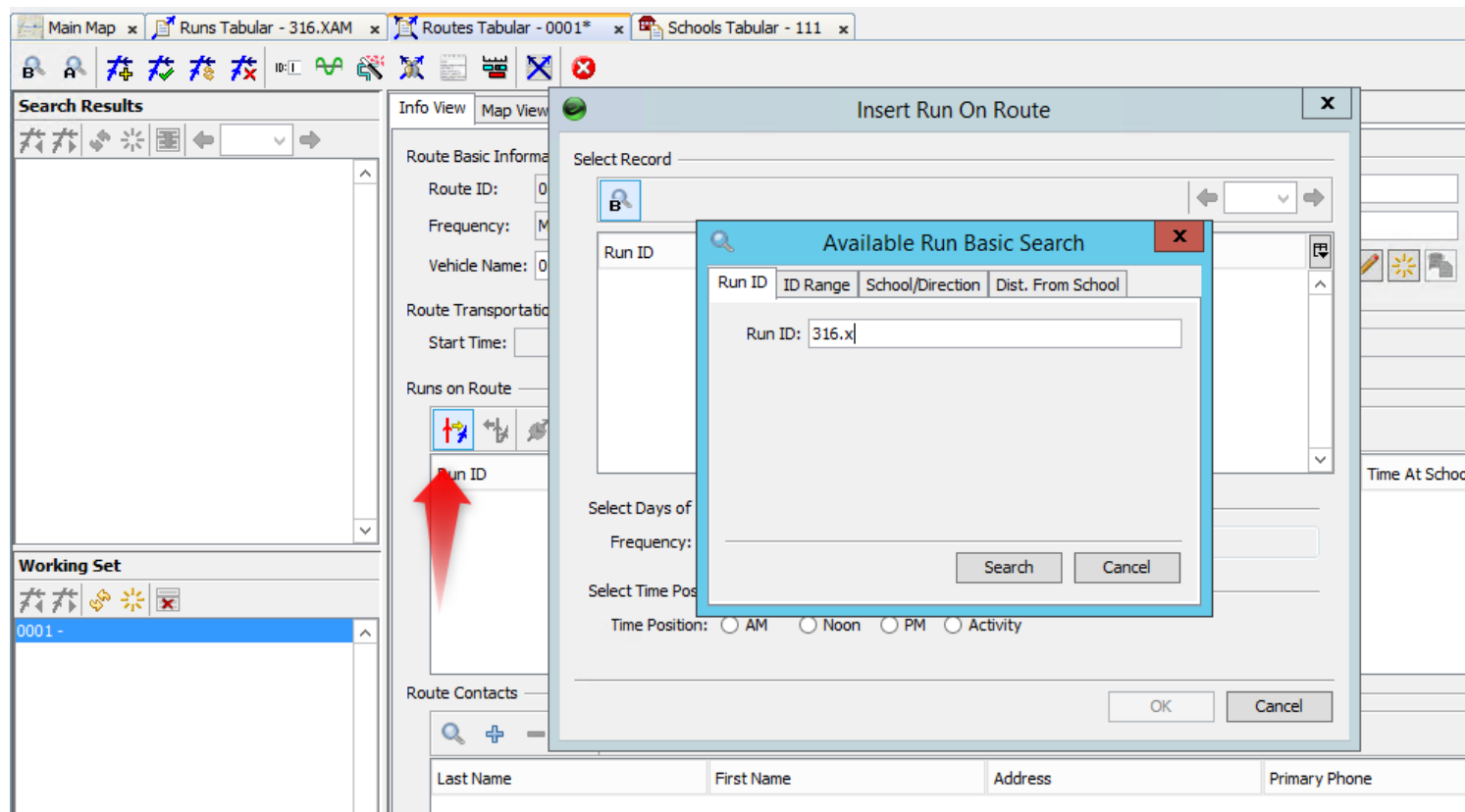
STUDENT REQUIRES SPECIAL NEED: 0 Wheelchair: 0 Harness: 0 Oxygen: 0 Car Seat - 1:
 Attendant: 0 Car Seat - 2: 0 User defined special need 8: 0 User defined special need 9: 0 User defined special need 10: 0

Routes

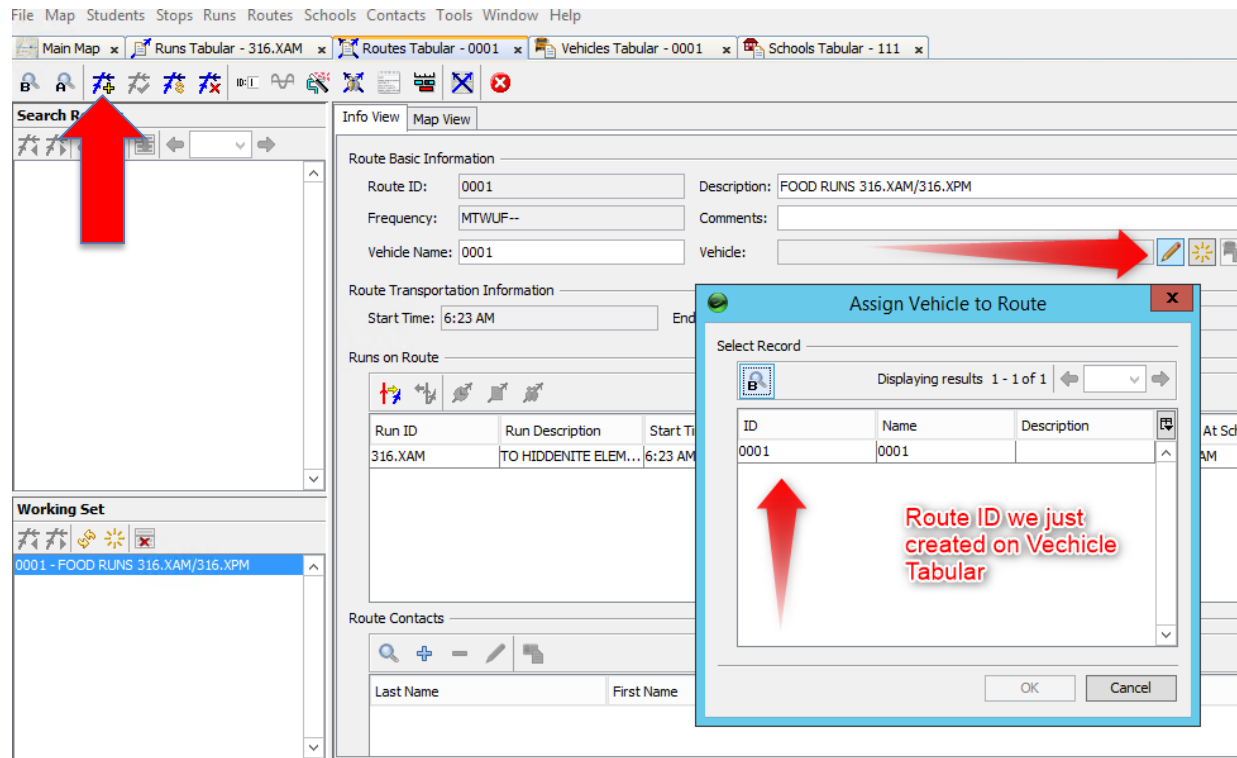
Route ID	Route Description	Route Frequency
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Contacts

Practice 3 – Create a new Route ID



Practice 3 – Runs Tabular



Practice 3 – Runs Tabular

Add the 316.XAM 316.XPM on
the new Route 0001

Insert Run On Route

Select Record

Displaying results 1 - 1 of 1

Run ID	Run Description
316.XAM	TO HIDDENITE ELEMENTARY SCHOOL

Select Days of the Week

Frequency: ☒ M ☒ T ☒ W ☒ U ☒ F ☐ A ☐ S

Select Time Position

Time Position: ☒ AM ☐ Noon ☐ PM ☐ Activity

OK Cancel

Practice – Runs Tabular

The AM is now added. Make sure you click the green check and save.

The screenshot shows the ITRE software interface with the 'Runs Tabular' window active. The window has a toolbar with various icons and a 'Search Results' panel on the left. The main area is divided into 'Info View' and 'Map View' tabs. The 'Info View' tab is selected, showing the following information:

Route Basic Information

- Route ID: 0001
- Description: Food Runs 316.XAM/316.XPM
- Frequency: MTWUF--
- Comments:
- Vehicle Name: 0001
- Vehicle:

Route Transportation Information

- Start Time: 6:23 AM
- End Time: 7:30 AM
- Total Time: 01:07

Runs on Route

Run ID	Run Description	Start Time	End Time	Run Load	Bell Time	Time At School
316.XAM	TO HIDDENITE ELEM...	6:23 AM	7:30 AM	0	8:05 AM	7:30 AM

Questions?