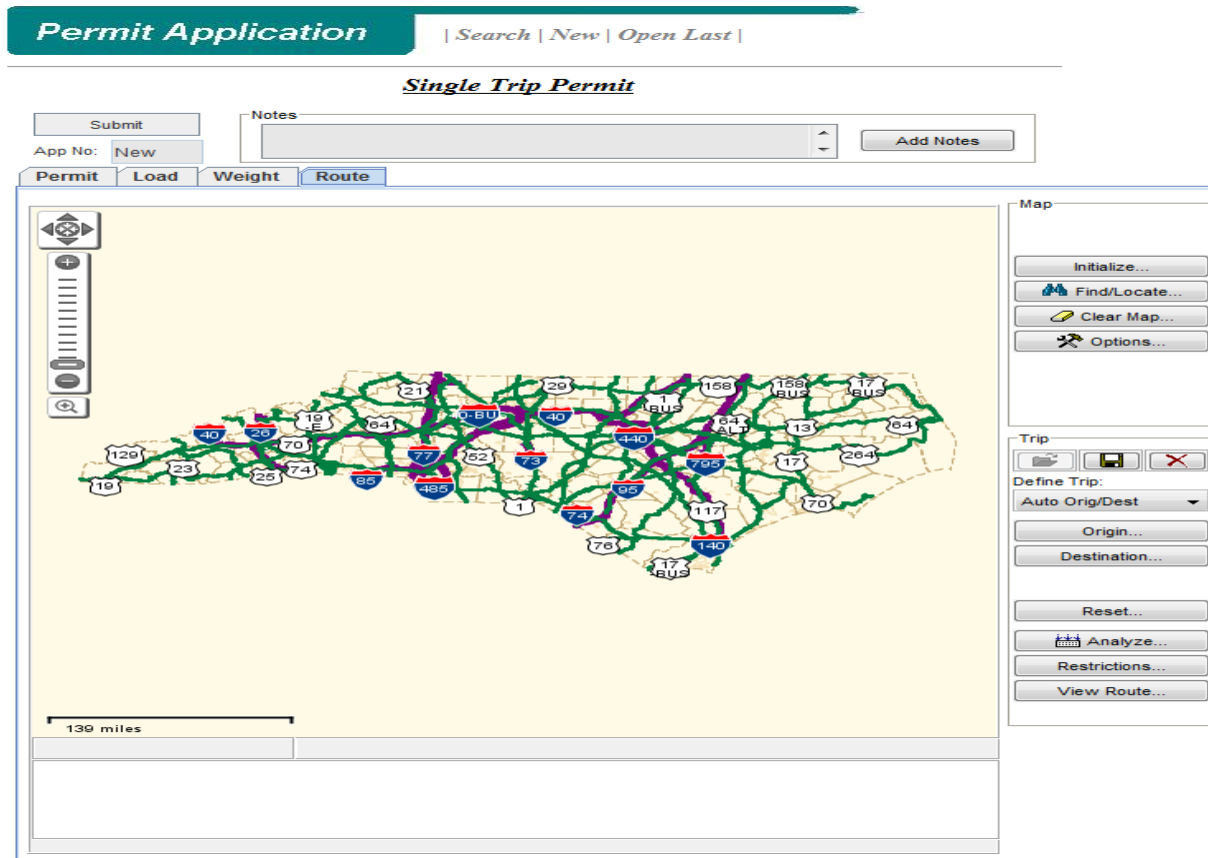


# ARPS - NEW SOFTWARE ROUTING PROCESS:

CUSTOMER CAN SELECT A ROUTE THREE DIFFERENT WAYS  
(AUTO ORIGIN/DESTINATION, SEGMENTS, TEXT)

THIS IS AN EXAMPLE OF “**AUTO ORIGIN/DESTINATION**” ROUTING.

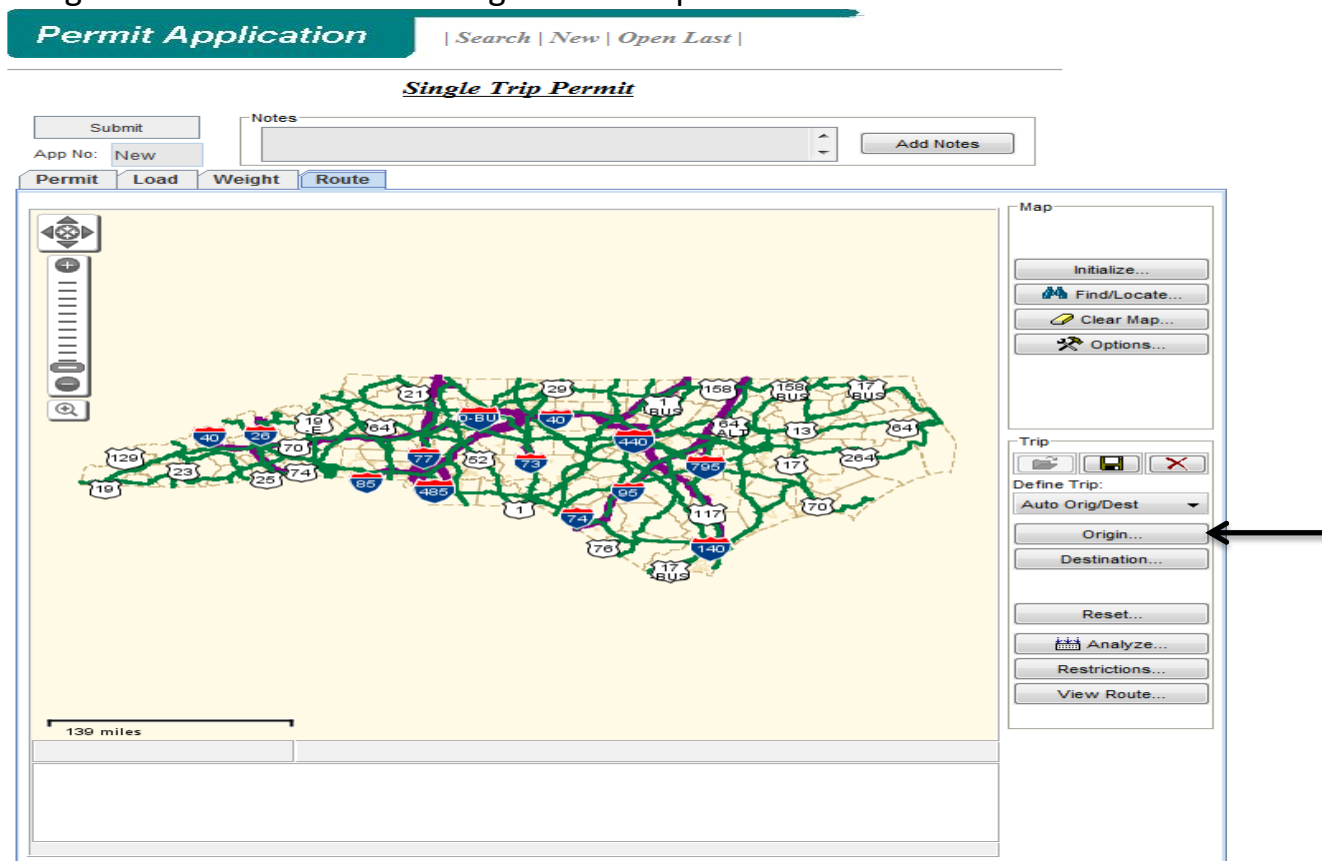
1. UNDER THE DEFINE TRIP DROP DOWN BOX, CUSTOMER SELECTS ROUTE VIA AUTO ORIGIN/DESTINATION.



Now, to try the automated routing option, we need to select the Auto Orig/Dest option from the Define Trip drop-down list box.

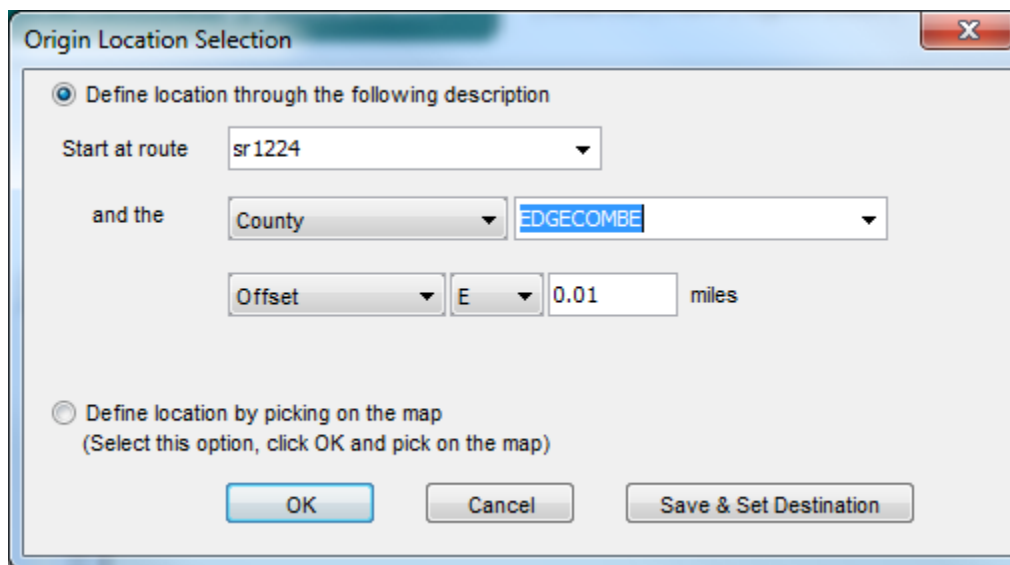
*[select Auto Orig/Dest]*

Next we click the Origin button to choose the origin of the trip.



*[click Origin button]*

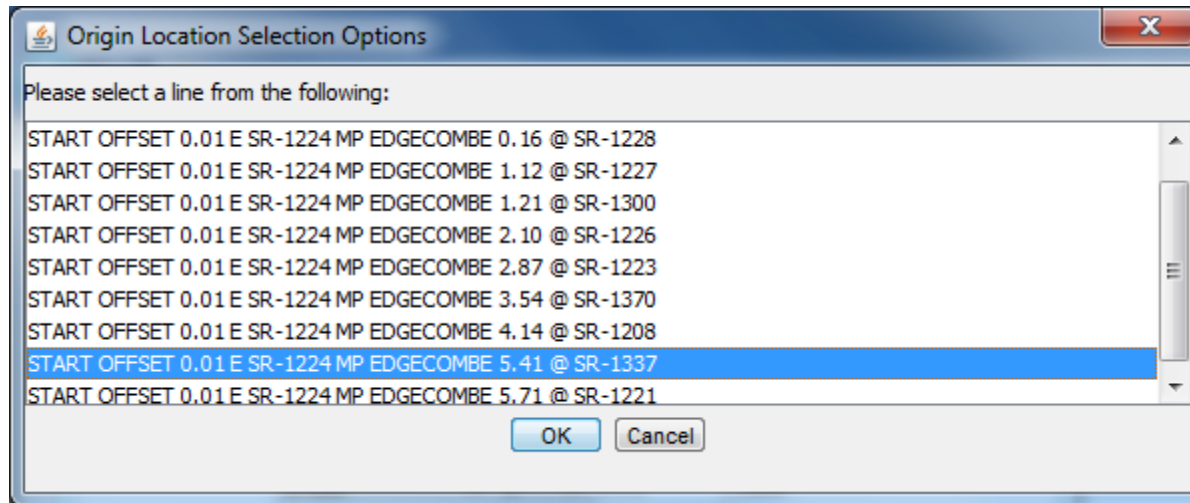
The Origin Location Selection form will open. The system gives two main options for selecting the origin. We can define the origin location textually or we can define the location by picking on the map. For the origin, let's make sure the "Define location through the following description" is selected. We are going to start on SR-1224 in Edgecombe County. Let's enter SR-1224 for the route, select County for the "and the" option and select Edgecombe. Complete the selection by clicking OK.



The image shows a software dialog box titled "Origin Location Selection". It has a close button (X) in the top right corner. There are two radio buttons for selection. The first radio button, "Define location through the following description", is selected. Below it are several input fields: "Start at route" with a dropdown menu containing "sr1224"; "and the" with a dropdown menu containing "County" and a text box containing "EDGECOMBE"; "Offset" with a dropdown menu, a direction dropdown menu containing "E", a text box containing "0.01", and the unit "miles". The second radio button, "Define location by picking on the map", is unselected and has a sub-instruction "(Select this option, click OK and pick on the map)". At the bottom of the dialog are three buttons: "OK", "Cancel", and "Save & Set Destination".

*[SR-1224@ county Edgecombe, OK]*

There are many places where SR-1224 intersects routes in Edgecombe county. We must select the intersection we want to use. We want the origin at the intersection of SR-1337.



*[select the option for SR-1337]*

The system will show a green dot at the intersection of SR-1224 and SR-1337.

**Permit Application** | Search | New | Open Last

**Single Trip Permit**

Submit    Notes  
App No: New    Add Notes

Permit    Load    Weight    **Route**

Map

Initialize...  
Find/Locate...  
Clear Map...  
Options...

Trip

Define Trip:  
Auto Orig/Dest  
Origin...  
Destination...  
Reset...  
Analyze...  
Restrictions...  
View Route...

1.423 miles  
Full Automated Route Origin    Select route origin on the map

Next we click the Destination button to choose the destination of the trip. We could have also clicked the Save and Set Destination option of the form used to set the origin and it would have accomplished the same thing.

**Permit Application** | Search | New | Open Last |

**Single Trip Permit**

Submit | Notes | Add Notes

App No: New

Permit | Load | Weight | **Route**

Map

Initialize...  
Find/Locate...  
Clear Map...  
Options...

Trip

Define Trip:  
Auto Orig/Dest

Origin...  
Destination...  
Reset...  
Analyze...  
Restrictions...  
View Route...

Origin Location Selection

Define location through the following description

Start at route [dropdown]  
and the [Intersection of] [dropdown]  
Offset [dropdown] N [0.01] miles

Define location by picking on the map  
(Select this option, click OK and pick on the map)

OK Cancel Save & Set Destination

*[click Destination button or the Save & Set Destination button from the Origin Selection Box]*

The Destination Location Selection form will open. We have the same two selection options as we did for the origin. This time we will also select the destination textually. We are going to end on US-64 at SR-1616. Let's enter US-64 for the route and SR-1616 for the intersection route. Complete the selection by clicking OK.

Destination Location Selection

Define location through the following description

End at route

and the

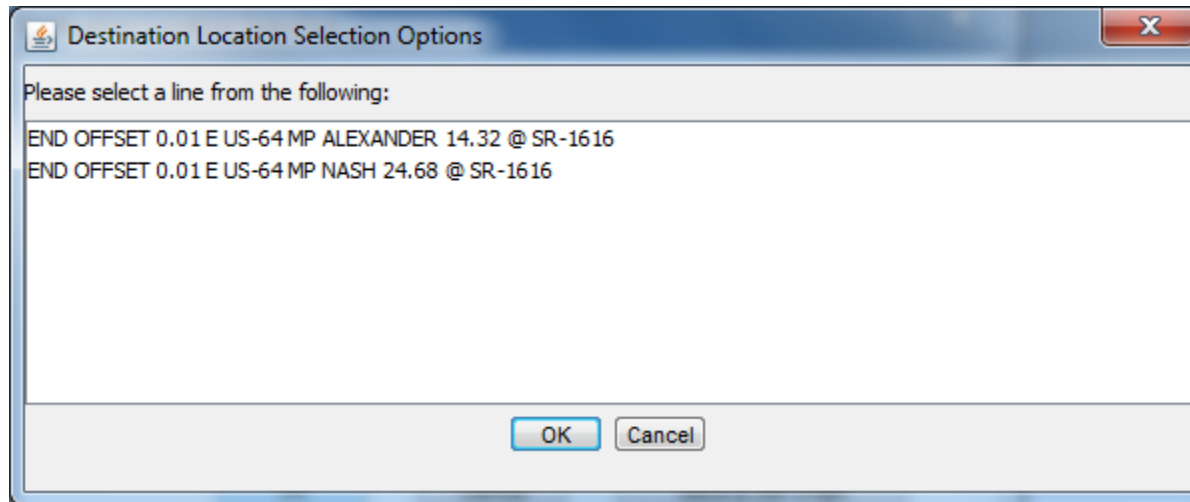
miles

Define location by picking on the map  
(Select this option, click OK and pick on the map)

OK Cancel Save & Set Origin

*[US-64 @ SR-1616, ok]*

There are two places where US-64 intersects SR-1616. We must select the intersection we want to use. We want the destination to be in Nash County.



*[select the option for Nash County]*



The system will show a red destination dot at the intersection of US-64 and SR-1616. In this case the red dot was behind a label so I zoomed in a little to see the dot.

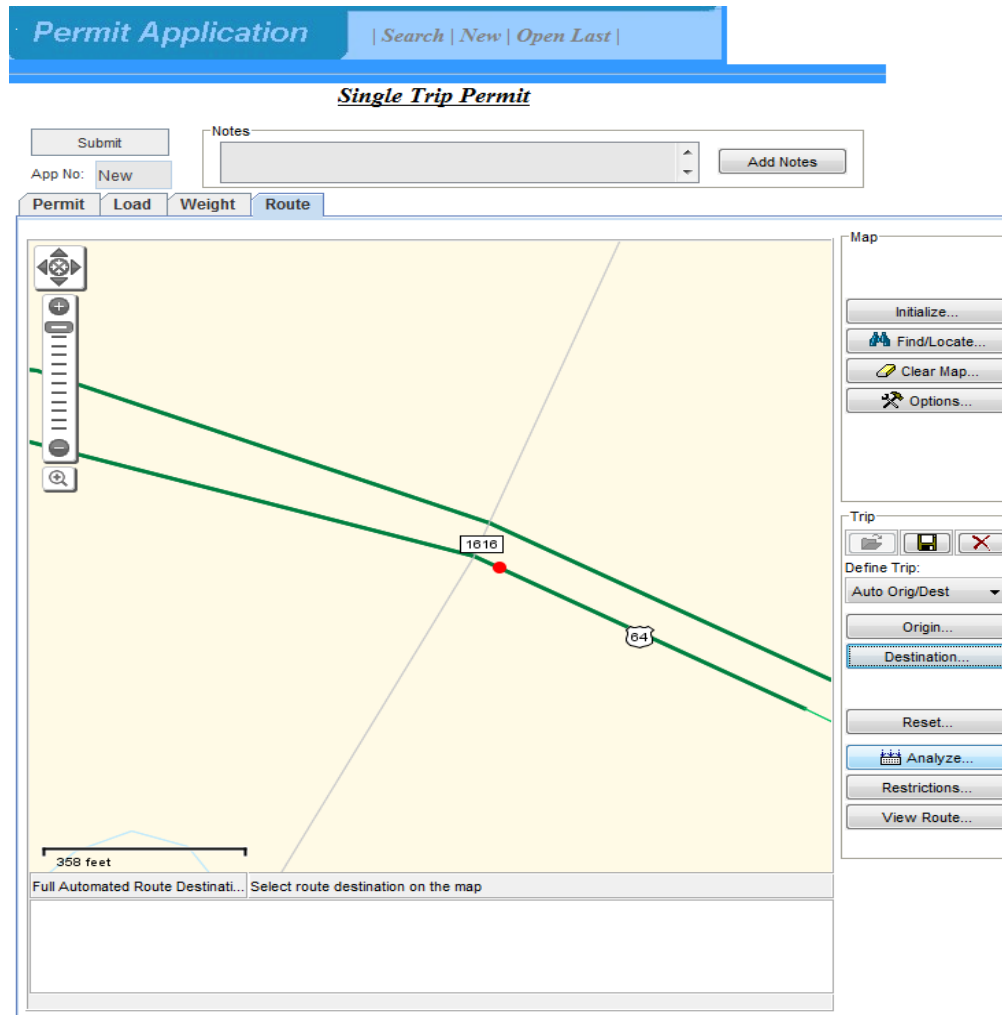
The screenshot displays a software interface for a "Permit Application". At the top, there is a blue header with the text "Permit Application" and navigation links: "| Search | New | Open Last |". Below the header, the title "Single Trip Permit" is centered. The interface includes a "Submit" button, a "Notes" field with an "Add Notes" button, and a dropdown menu for "App No:" set to "New".

The main area is divided into tabs: "Permit", "Load", "Weight", and "Route". The "Route" tab is active, showing a map with a yellow route line and a green route line. A red dot is located at the intersection of the two routes, labeled "1616" and "64". A scale bar indicates "358 feet".

On the right side, there is a "Map" panel with buttons: "Initialize...", "Find/Locate...", "Clear Map...", and "Options...". Below it is a "Trip" panel with buttons: "Define Trip:", "Auto Orig/Dest" (dropdown), "Origin...", "Destination..." (highlighted), "Reset...", "Analyze...", "Restrictions...", and "View Route...".

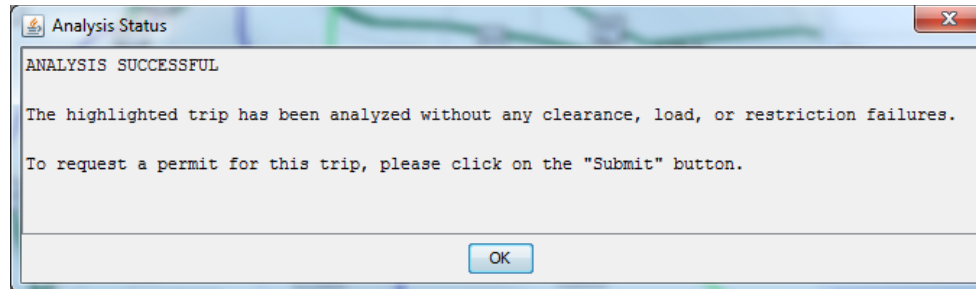
At the bottom, a status bar reads: "Full Automated Route Destinati... Select route destination on the map".

Finally, click the Analyze button. This will launch system processes to find the most preferred permissible trip for this permit vehicle between the defined origin and destination.



[click Analyze button]

The analysis should just take a few seconds. The system will come back and tell us what route it found and if it tried but had any issues. In this case, the system found a route that we can be permitted to use.



[Click OK]

To view route click View Route button.

The screenshot shows a web application interface for a 'Permit Application'. At the top, there is a blue header with the text 'Permit Application' and a search bar containing '| Search | New | Open Last |'. Below this is a sub-header for 'Single Trip Permit'. The main area contains a form with a 'Submit' button, a 'Notes' field, and an 'App No: New' dropdown. A tabbed interface shows 'Permit', 'Load', 'Weight', and 'Route' tabs, with 'Route' selected. A map displays a route in blue and green lines across a geographic area. A 'Route Information' dialog box is open, showing the following details:

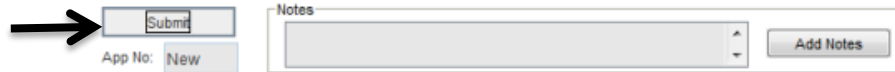
- Start: SR-1224 WB 0.01 Miles East of SR-1337 at MP EDGECOMBE 5.41
- End: US-64 0.01 Miles East of SR-1616 at MP NASH 24.70
- And Return:  Yes  No
- Directions: START ON SR-1224 WB 0.01 Miles East of SR-1337 at MP EDGECOMBE 5.41, NC-43 NB, US-64-ALT WB, US-64 WB, END ON US-64 0.01 Miles East of SR-1616 at MP NASH 24.70

At the bottom of the map area, there is a text box with the following information:

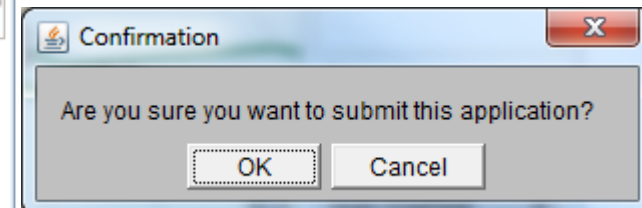
Full Automated Route Destination... Select route destination on the map  
START ON SR-1224 WB 0.01 Miles East of SR-1337 at MP EDGECOMBE 5.41, NC-43 NB, US-64-ALT WB, US-64 WB,  
END ON US-64 0.01 Miles East of SR-1616 at MP NASH 24.70  
Triplength = 12.90

On the right side of the map, there are several buttons: 'Reset...', 'Analyze...', 'Restrictions...', and 'View Route...'.

When you are ready to submit click the Submit button



A screenshot of the main application window. At the top, there are tabs for 'Permit', 'Load', 'Weight', and 'Route', with 'Route' selected. The central area is a map showing a network of roads with several routes highlighted in blue and green. Text on the map includes 'Rocky Mount' and '472'. To the right of the map is a 'Map' control panel with buttons for 'Initialize...', 'Find/Locate...', 'Clear Map...', and 'Options...'. Below that is a 'Trip' control panel with buttons for 'Define Trip:', 'Auto Orig/Dest', 'Origin...', 'Destination...', 'Reset...', 'Analyze...', 'Restrictions...', and 'View Route...'. At the bottom of the window, there is a status bar with text: 'Full Automated Route Destinati... Select route destination on the map', 'START ON SR-1224 WB 0.01 Miles East of SR-1337 at MP EDGECOMBE 5.41, NC-43 NB, US-64-ALT WB, US-64 WB, END ON US-64 0.01 Miles East of SR-1616 at MP NASH 24.70', and 'TripLength = 12.90'.



[Click OK]

This page will pop up with your Application number.

**Permit Application** | [Search](#) | [New](#) | [Open Last](#) | [Update](#) |

**Your application number is 2030086.**

**Final Status**

Length:  Height:  Permit Fee:   
Weight:  Width:

Notes:

A permit is required for movement.

To view/print the application, click [HERE](#)