



MCP110 Driver Training
Navigation Services
October 9, 2015



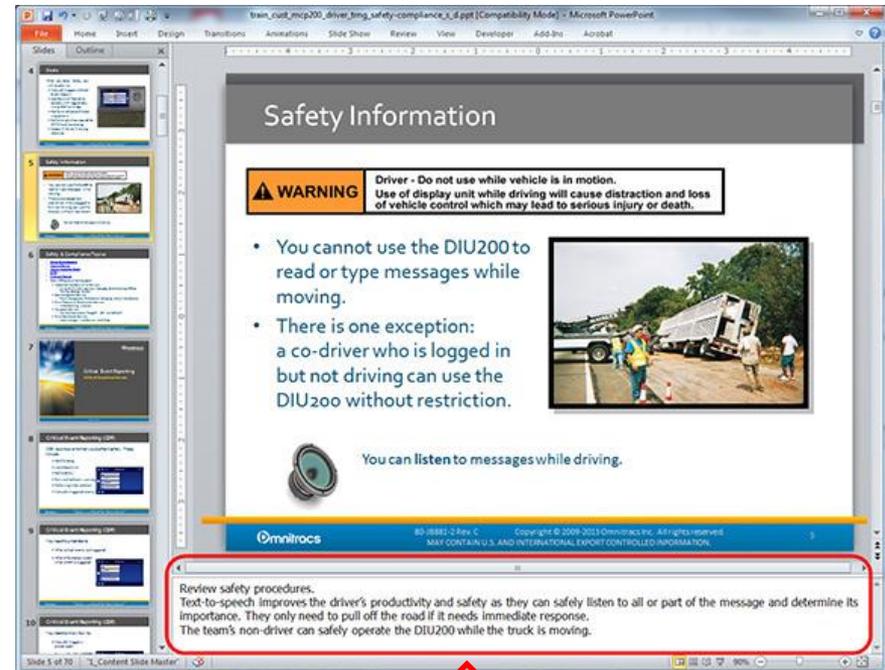
Purpose

This material is made available for use by Omnitrac's customers for the sole purpose of training their employees and contractors.



To the Instructor

1. You are encouraged to modify this presentation to fit your company:
 - a. Brand it with your company's logo.
 - b. Delete slides referring to applications you do not offer
 - c. Hide or delete slides that are for your use only, like this one or the Instructor Training Checklists for each application.
2. For each application, there is an Instructor Training Checklist at the beginning that you can use to make sure you cover everything.
3. The notes area often has additional information to help you communicate key points.
4. There are driver handouts at the end of the presentation that you can modify and distribute to your drivers.



Notes area

Safety Information

WARNING

Driver - Do not use while vehicle is in motion.
Use of display unit while driving will cause distraction and loss of vehicle control which may lead to serious injury or death.

- You cannot use the MCP110 to read or type messages while moving.
- There is one exception: a co-driver who is logged in but not driving can use the MCP110 without restriction.



You can **listen** to messages while driving.

Goals

- When you leave today, you will be able to:
 - Access route information in Navigation
 - View maps and dispatch information in Navigation





ALK CoPilot™ Truck

Navigation Services

Instructor Training Checklist: Navigation

Provide Navigation overview

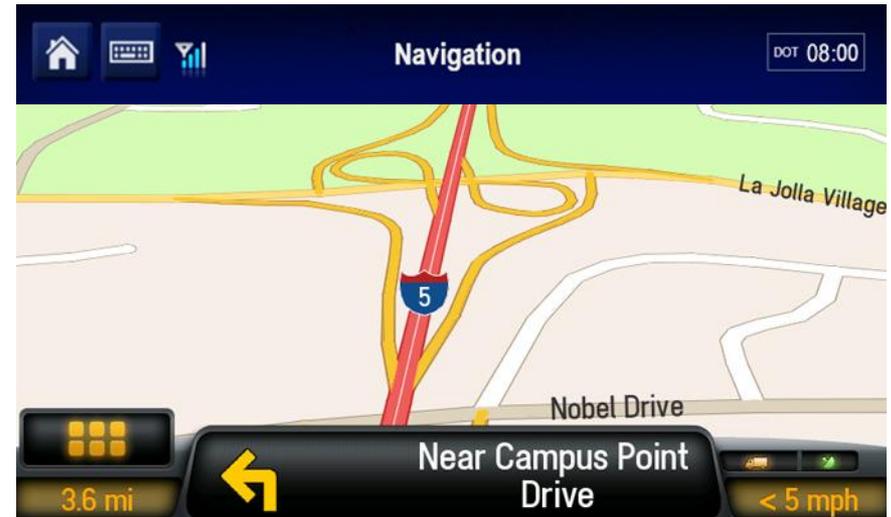
- Log in to the MCP110.
- Describe the driving menu options.
- Describe the main menu options:
 - Go To** for typing addresses and finding POIs
 - Route** for customizing vehicle and navigation preferences
 - Settings** to customize the map

Use Navigation

- Get a route from an address.
- Customize route options.
- Customize maps.
- View the directions in a list or map.
- Show POIs on map.
- Change map rotation.
- Change day/night mode.
- Toggle views.
- Avoid roads.
- Calculate a detour (alternate route).
- Show how to avoid roads.
- Find POIs.
- Route Sync.

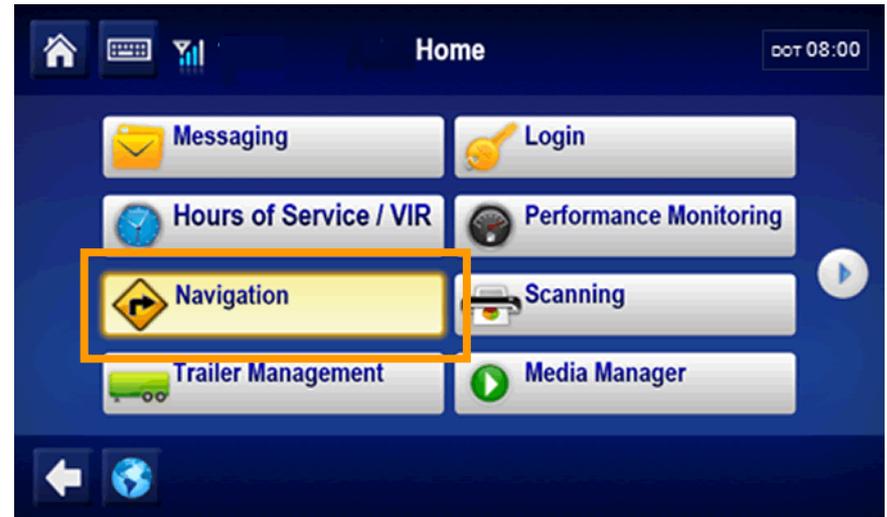
Goals

1. Navigation provides accurate, interactive maps, truck routing, and turn-by-turn directions.
2. You need to know how to:
 - Navigate to an address
 - Customize map display
 - Set point of interest (POI) display options
 - Customize routing options
 - Generate a route detour
 - Find nearby POIs (food, gas, etc.)



Navigation: Overview

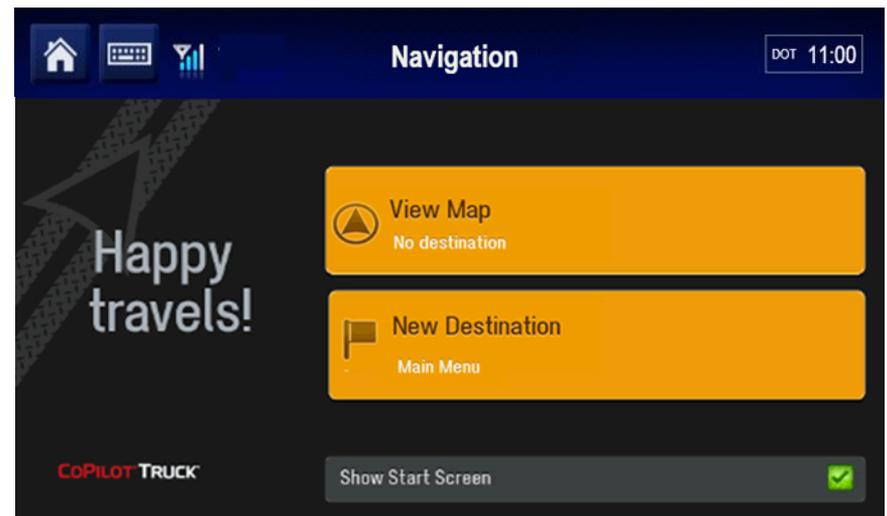
1. To start CoPilot, from the Home screen, tap Navigation.



2. The CoPilot Welcome screen displays the first time you start Navigation.

 Opens the guidance screen, displaying your current location.

 Opens the Go To menu to enter a new destination.



Navigation: Overview

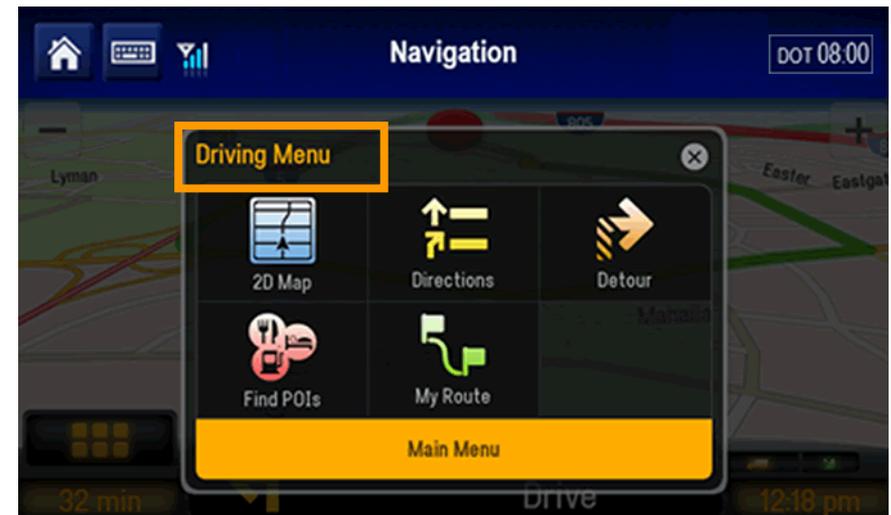
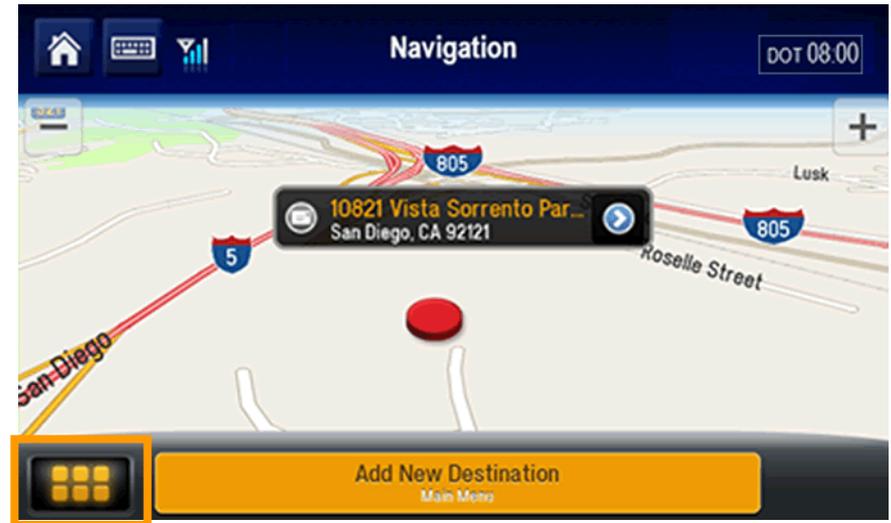
3. Tap a location on the map display to learn more about it.

4. Tap  to open the Driving Menu.

 Choose between a 2D or 3D map display.

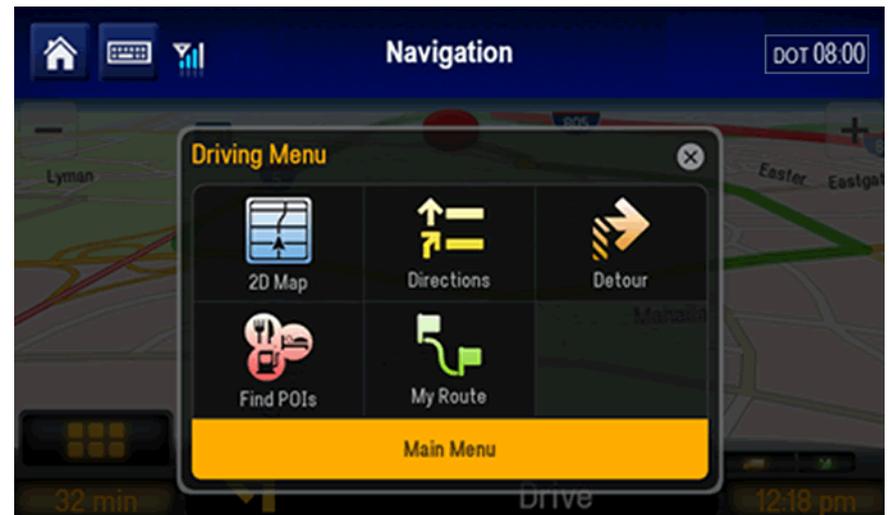
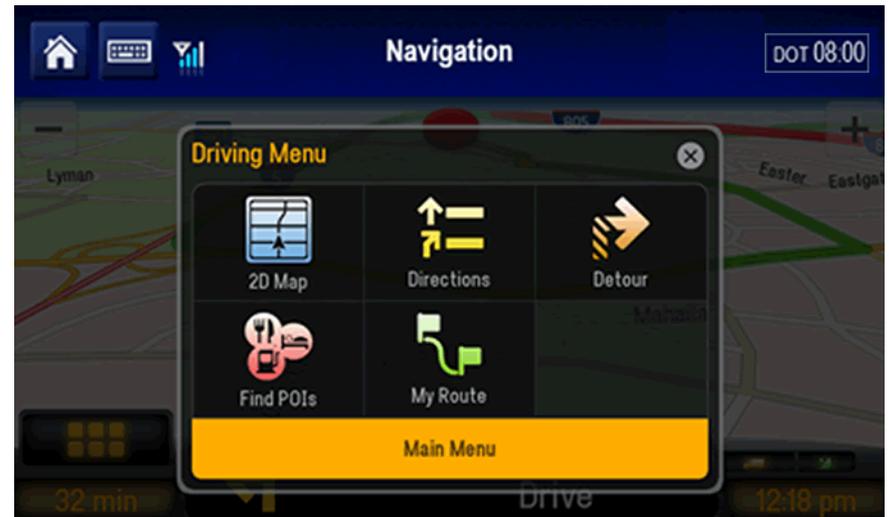
 Display large, text-only directions.

 Calculate an alternate route to your destination.



Navigation: Overview

-  Find Points of Interest (POIs) such as the nearest gas station, restaurant, etc.
-  Display the best route or calculate an alternative route.
-  Tap the “x” close button to dismiss the menu without taking action.

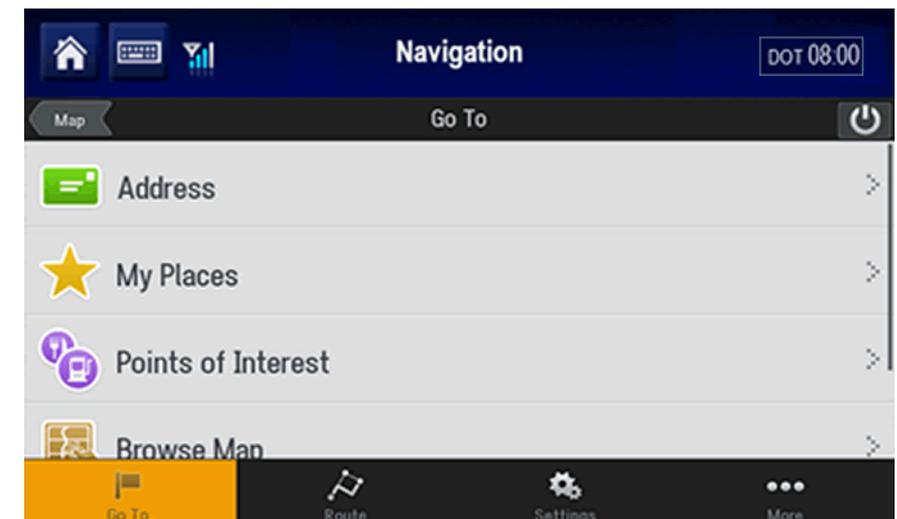
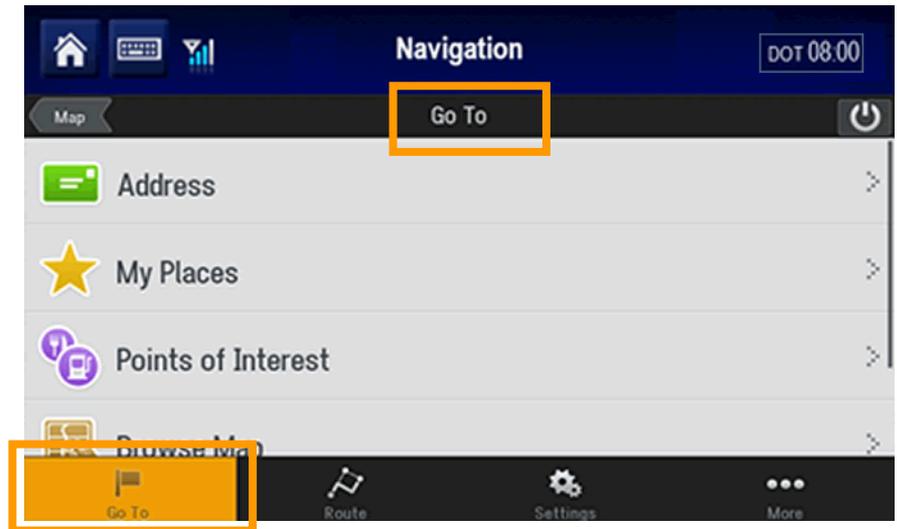


Navigation: Overview

This is the **Go To** tab on the **Main Menu**.

Each tab offers different menu options.

-  Type the address to set your destination.
-  Navigate to frequently visited locations.
-  Search for Points of Interest (POIs) such as ATMs, hotels, restaurants, gas stations and airports.



Navigation: Overview



Tap a location on the map to specify a destination.



Type lat/long coordinates to specify a destination.

This is the **Route** tab on the main menu.



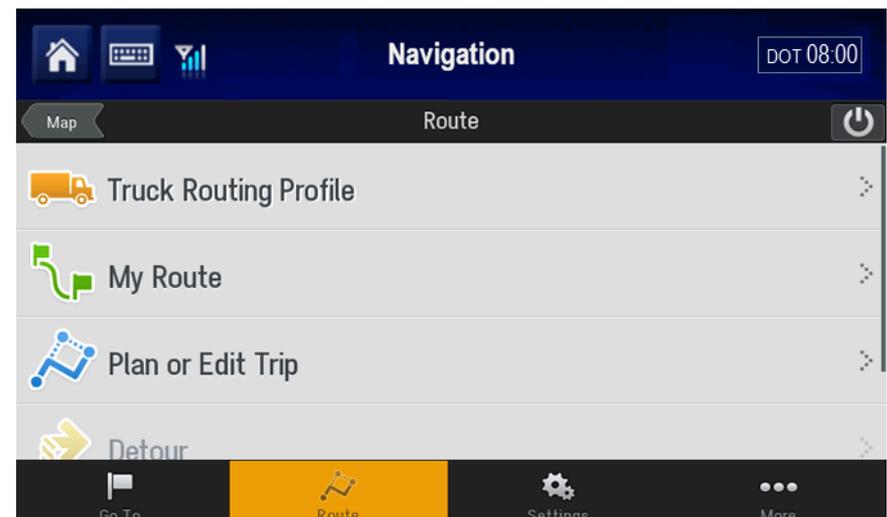
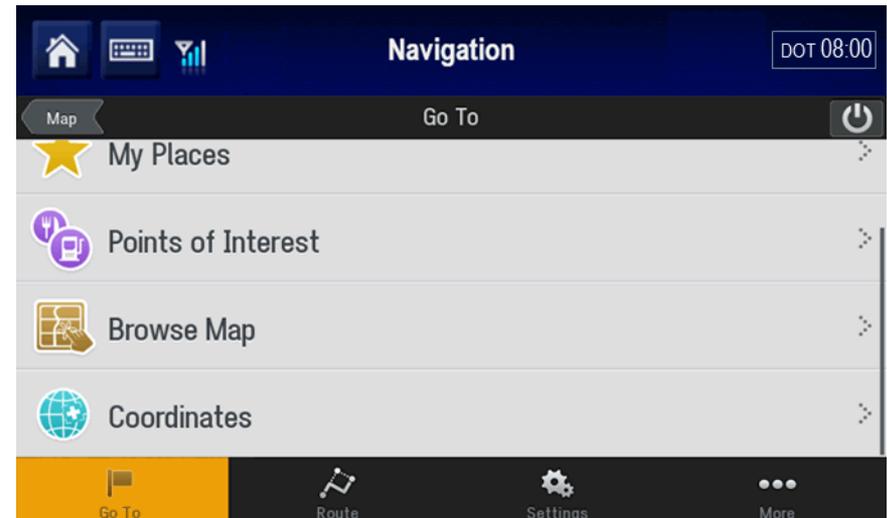
Customize your vehicle and navigation preferences including: Hazmat, Speeds, and Avoid Tolls.



After a trip has begun, view up to three alternate routes to your destination.



Plan a trip from start to finish adding stops such as fuel, hotel, or restaurant.



Navigation: Overview



Make a detour to your destination.



Stop receiving turn-by-turn guidance.

This is the **Settings** tab on the main menu.



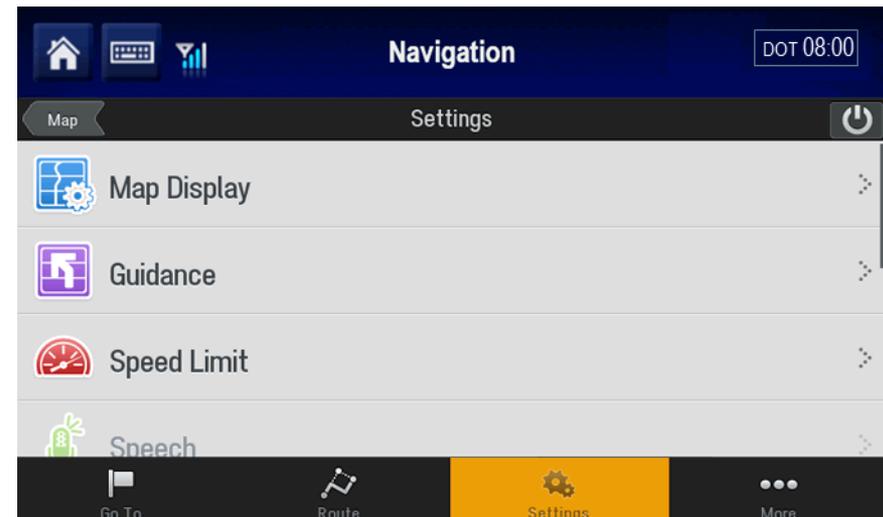
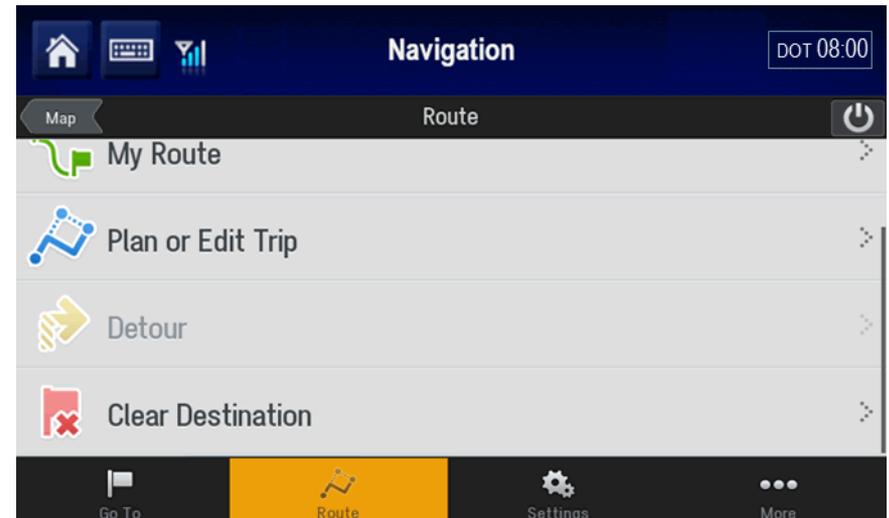
Change options such as how the maps are displayed.



Display a realistic view of the road layout with lane indicator arrows and sign posts at major junctions and exits.

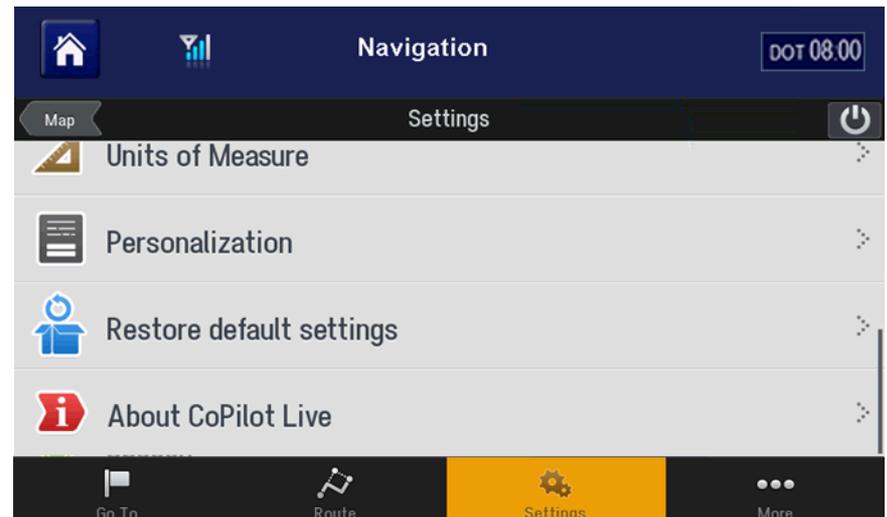
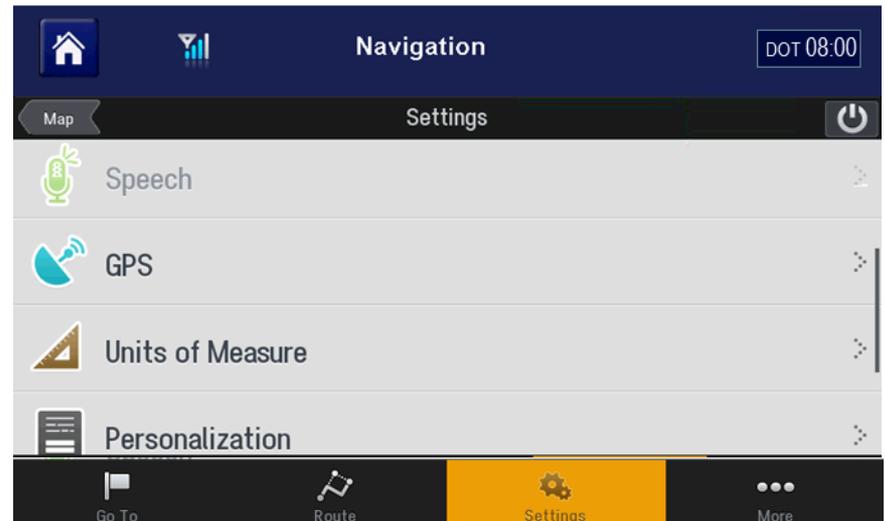


Display the speed limit of the road you are on and alert if you go over.



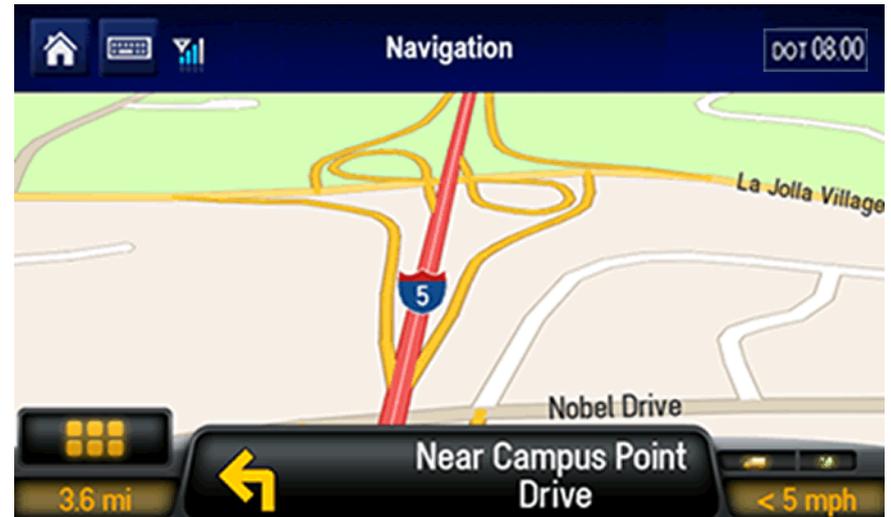
Navigation: Overview

-  Provide voice guidance.
-  View current lat/long, time and date, speed and elevation.
-  Switch between miles and kilometers.
-  Display welcome message at startup.
-  Restore CoPilot to original settings.
-  Display software version, maps, points of interest, product key and serial number.



Navigation: Overview

The best way to become familiar with CoPilot is to explore its menus while your vehicle is stopped.

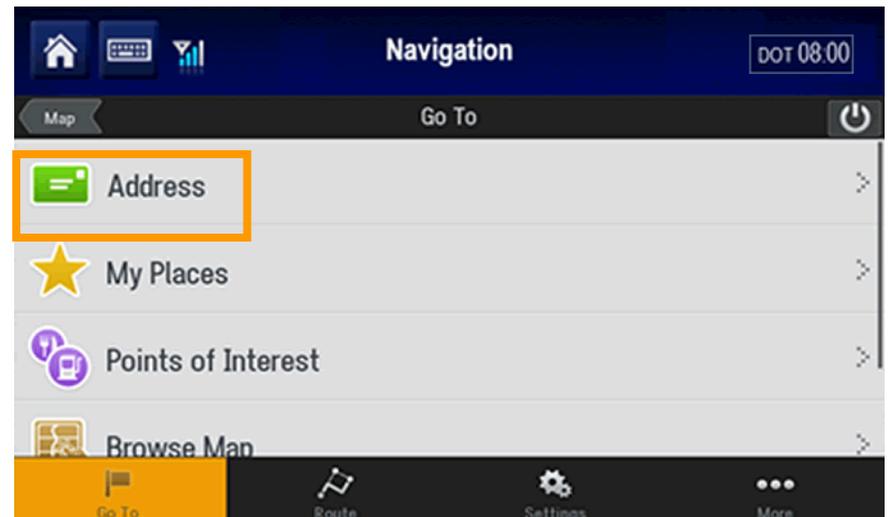
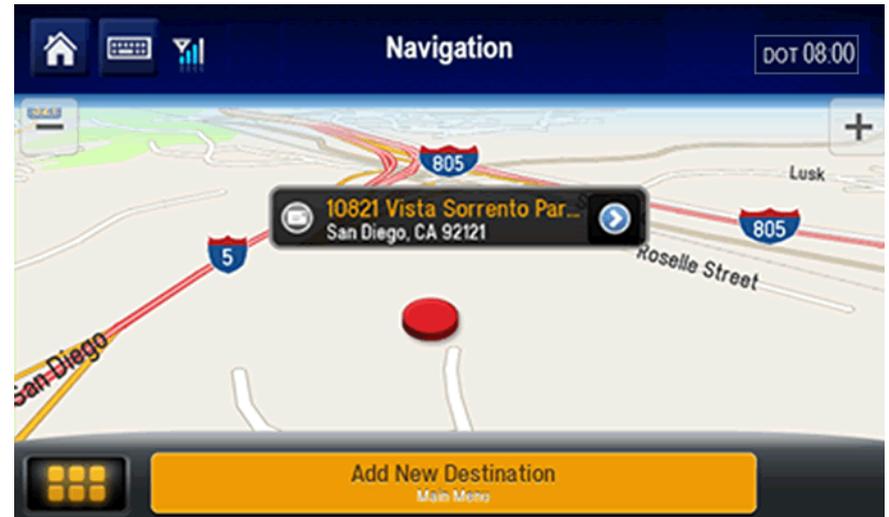


Navigation: Destination

To generate a route to an address from your current location:

1. Tap **Add New Destination**.

2. Tap **Address**.

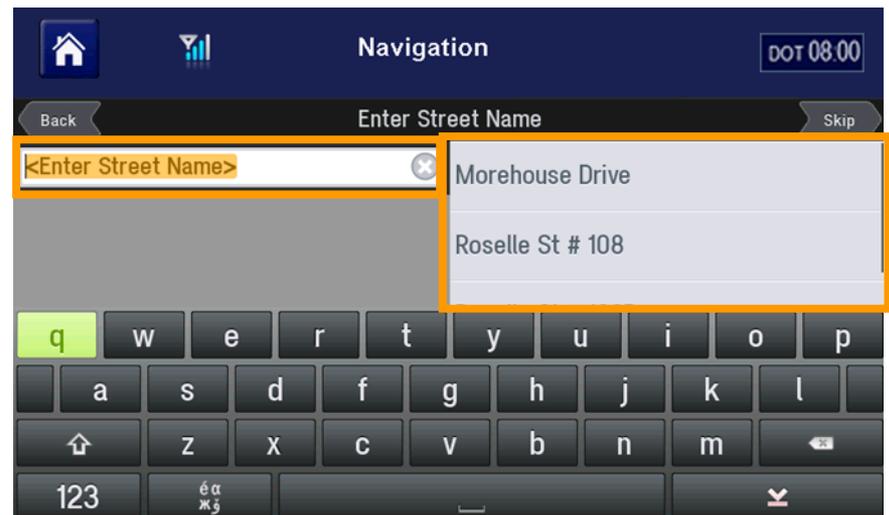


Navigation: Destination

3. Type the zip code or the first letters of the name of the city.

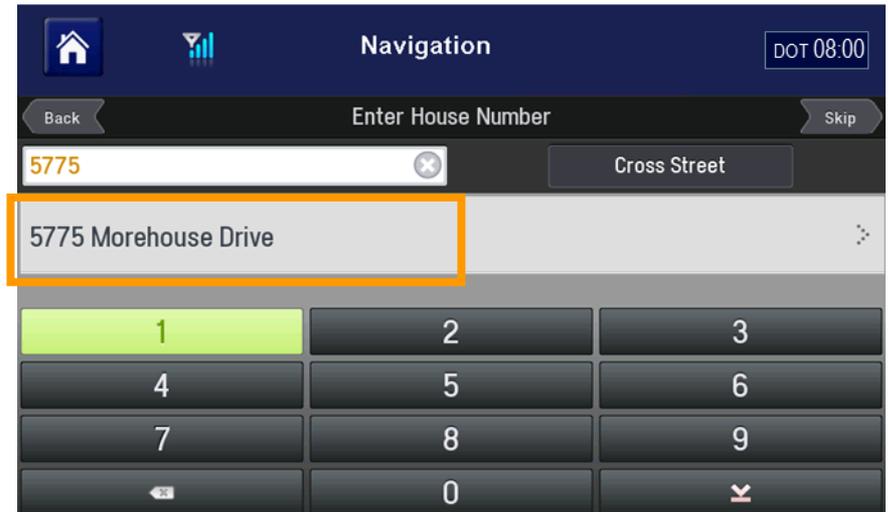
When the city you are looking for appears in the list, tap that line.

4. Start typing the name of the street. When the street appears in the list, tap it.

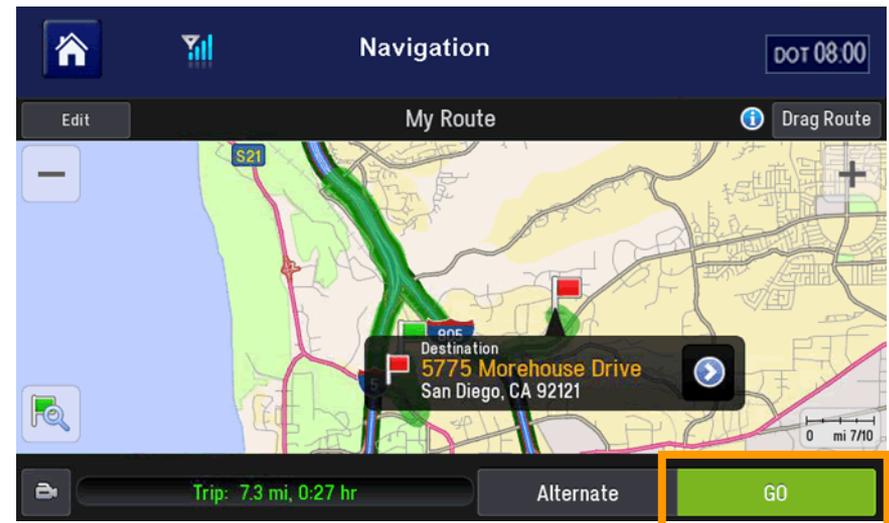


Navigation: Destination

5. Start typing the street number. (CoPilot always calls the "street number" a "house number," even if the destination is not a house.) When the address you want appears, tap it.



6. Tap **GO**. The first step of your directions displays.

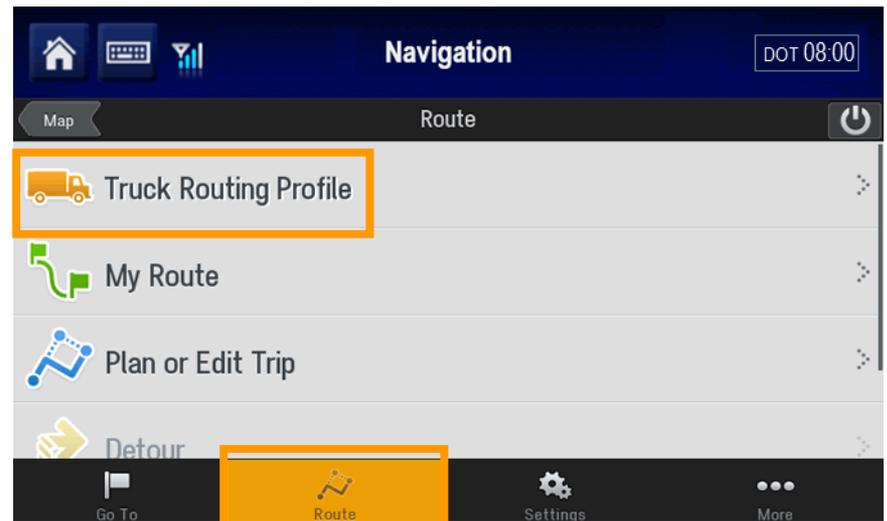
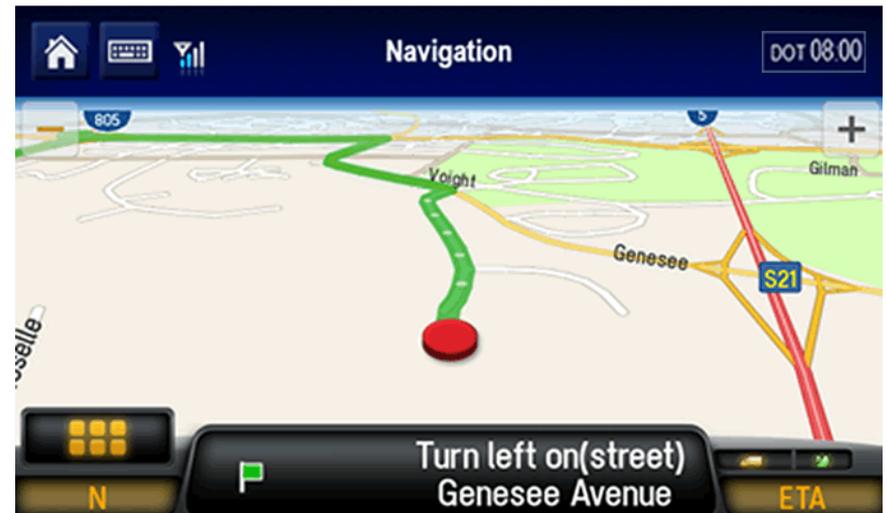


Navigation: Customize Routing Options

You can customize routing options to match your vehicle and load type to ensure safe, reliable, truck-legal routing.

To set your Truck Routing Profile:

1. From the Main Menu, tap **Route**.
2. Tap **Truck Routing Profile**.

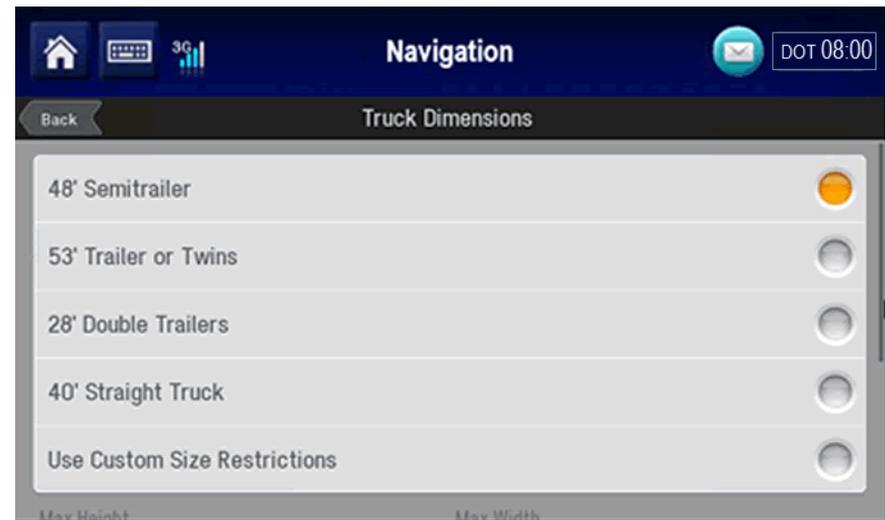
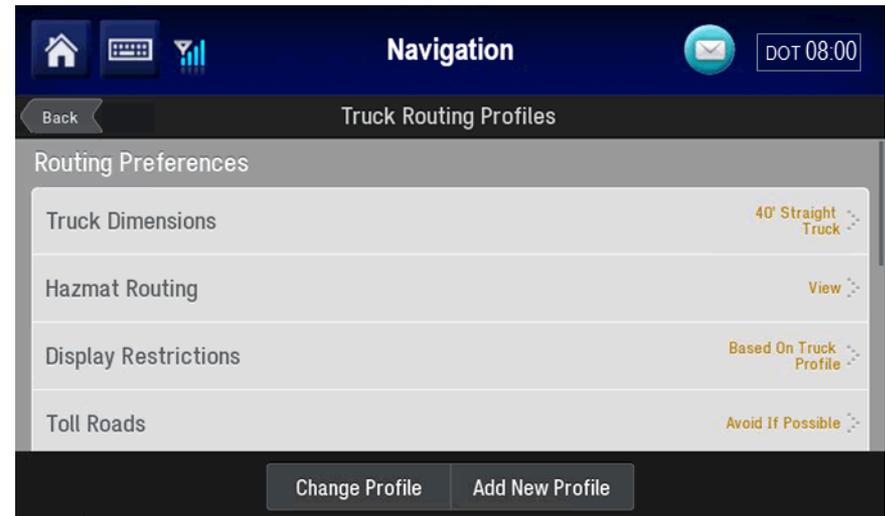


Navigation: Routing Options

CoPilot provides a number of screens where you set parameters and choose preferences.

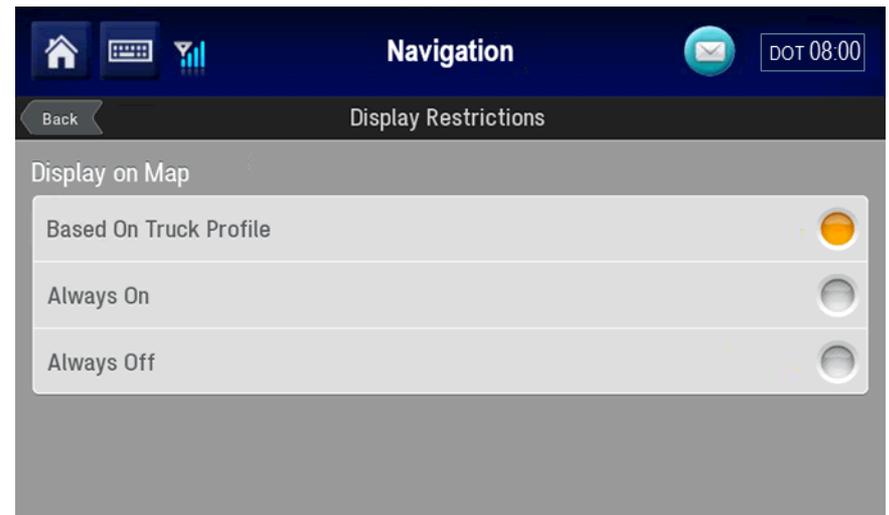
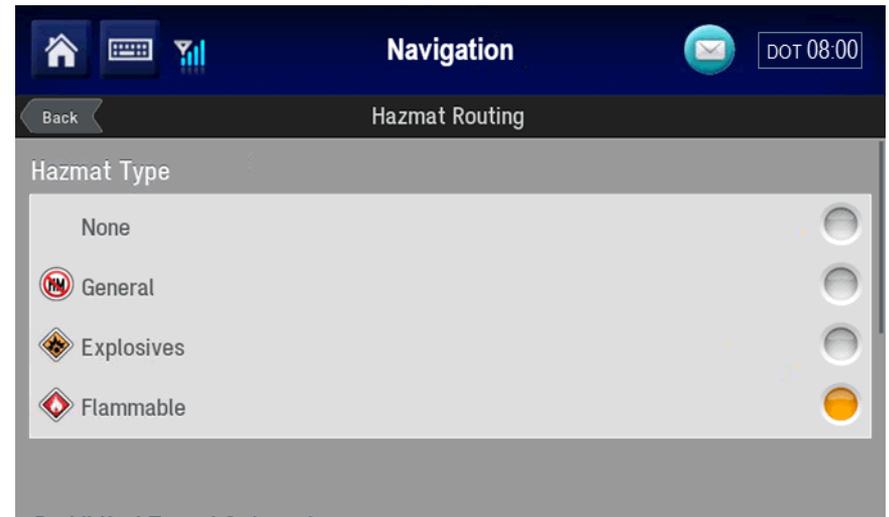
You can specify:

- The dimensions of your vehicle



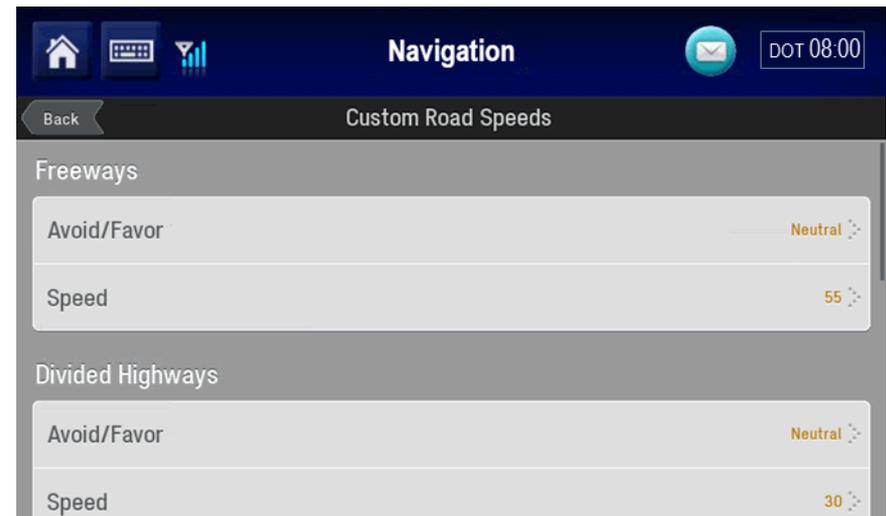
Navigation: Routing Options

- Routing alternatives for hazardous materials
- Restrictions on your map while driving



Navigation: Routing Options

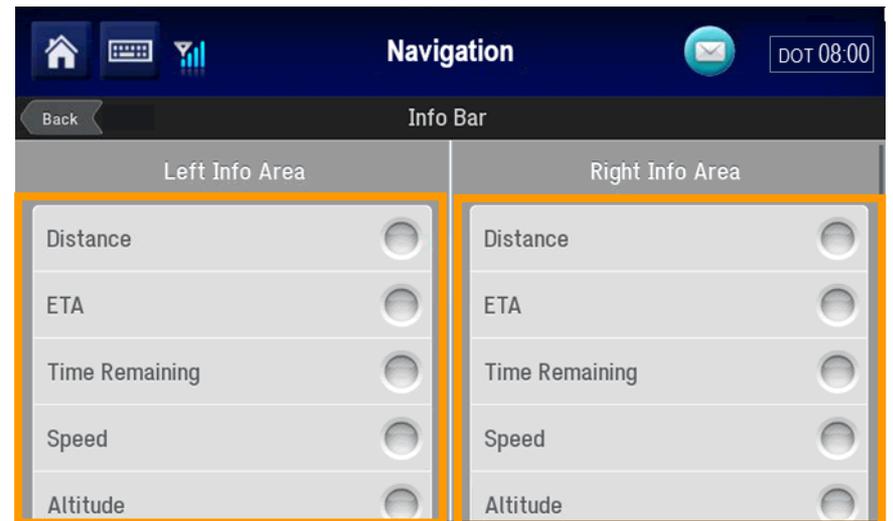
- Your preferences concerning toll roads
- Other miscellaneous routing preferences



Navigation: Customize Maps

You can customize maps many different ways. Here are some of the more important customizations:

1. To choose what information to display in the right and left Info Bar display panels, tap its window.
2. Tap the button that describes the information to display.



Navigation: Customize Maps

For example, tap Heading in the left info bar to display your current heading.

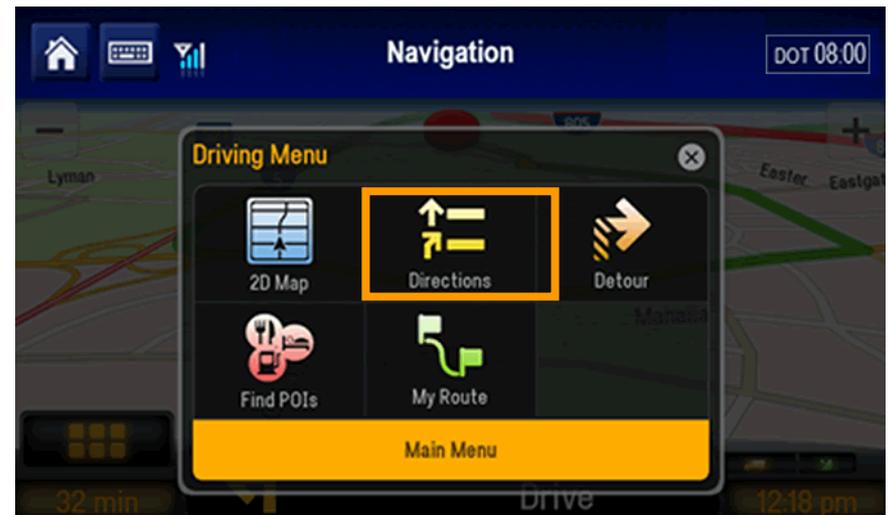
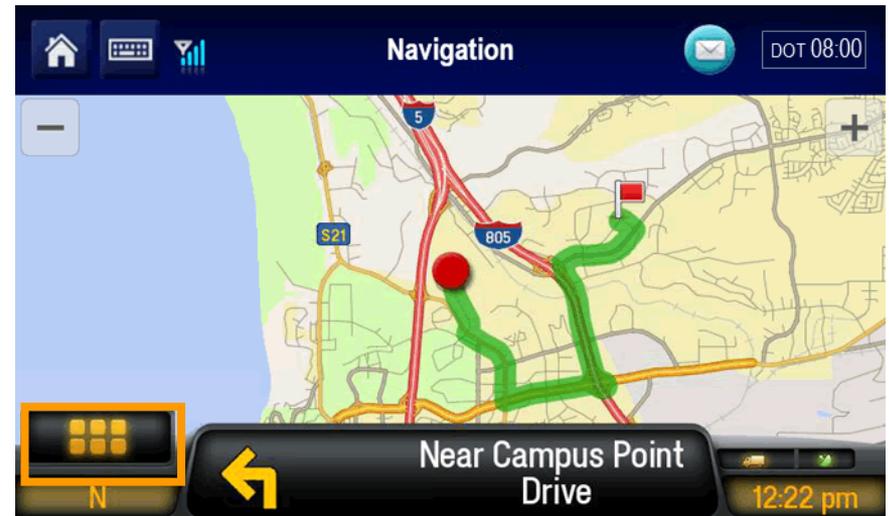


Navigation: View Directions

To display your next turn in full-screen view, or to see a complete itinerary with your next turn:

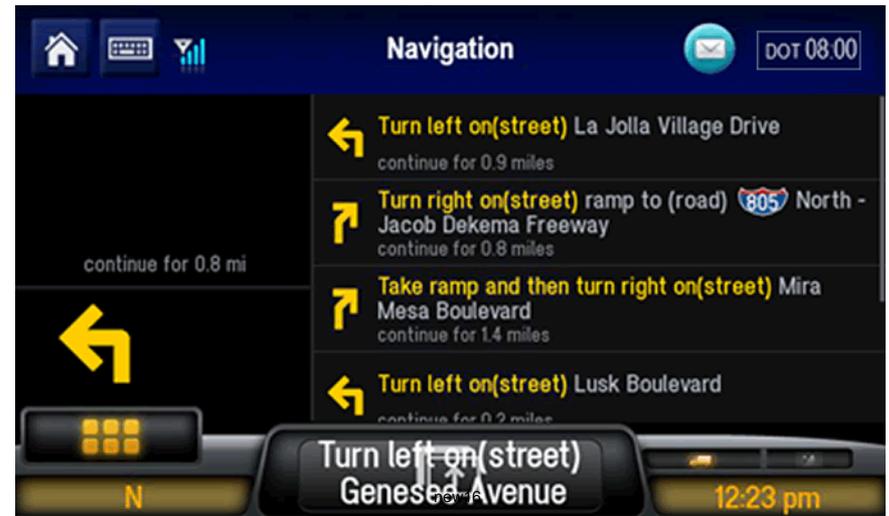
1. Tap Driving Menu.

2. Tap **Directions**.



Navigation: View Directions

The Directions view displays.

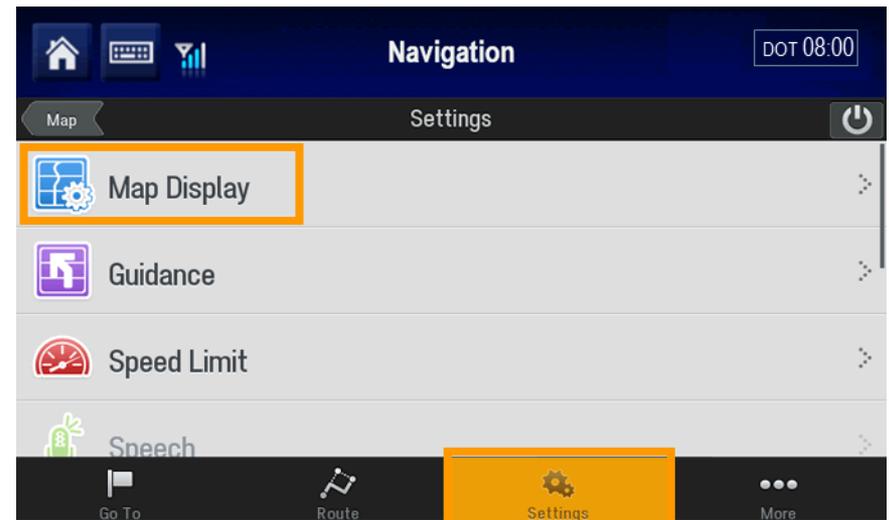
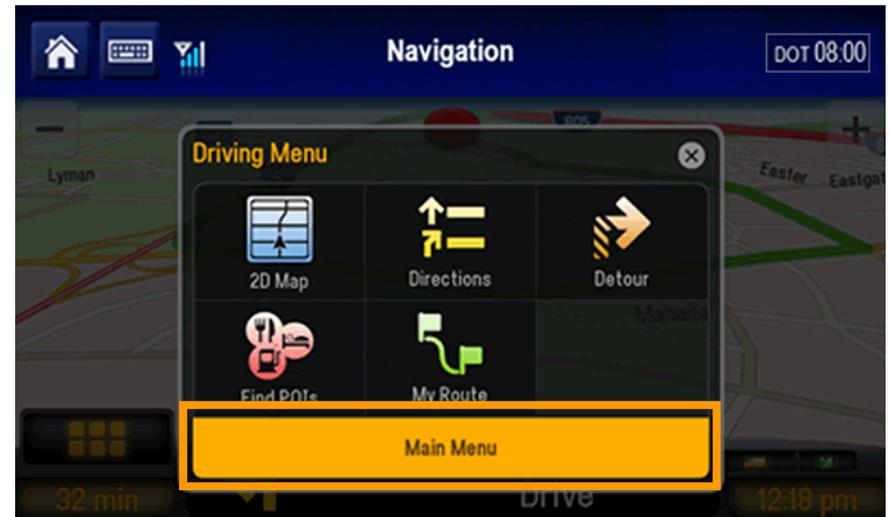


Navigation: POI Display Options

To set how points of interest (POIs) are displayed, follow the steps below.

From the Main Menu:

1. Tap **Settings**.
2. Tap **Map Display**.



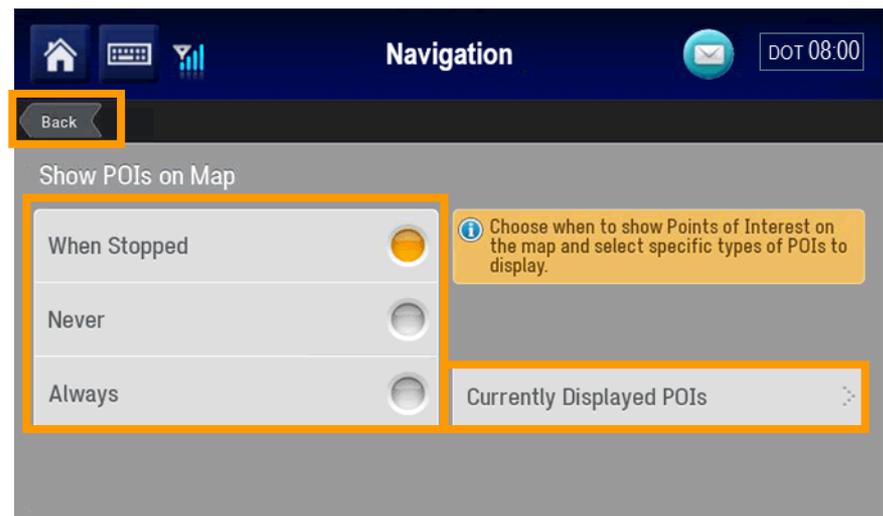
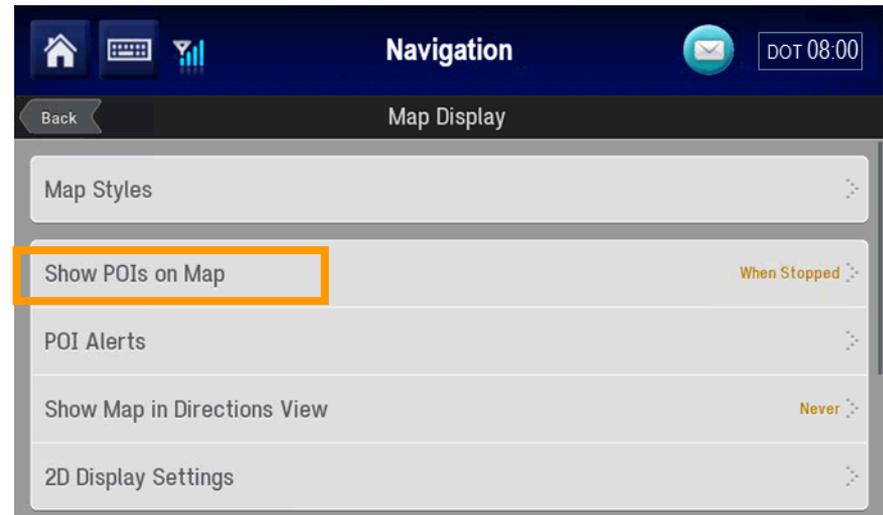
Navigation: POI Display Options

3. Tap **Show POIs on Map**.

4. Choose the option you want:
When Stopped, Never, or Always.

To see a list of the POIs currently displayed, tap the **Currently Displayed POIs** button.

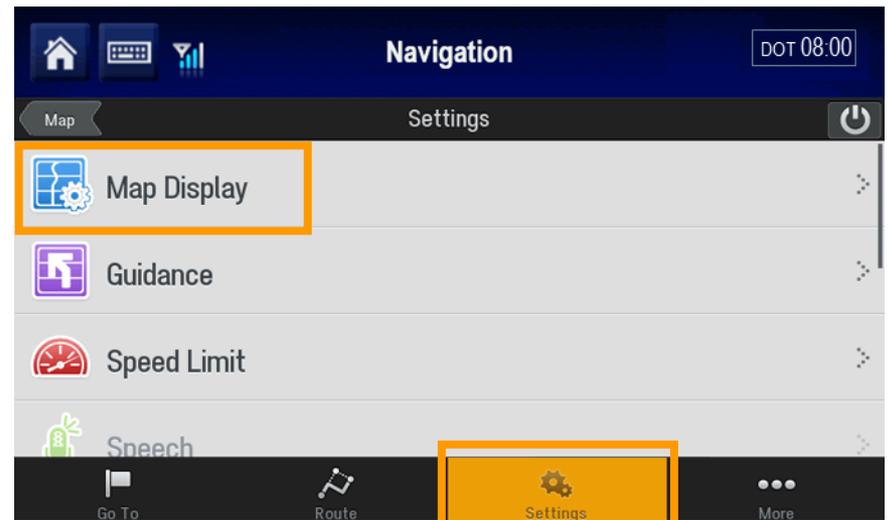
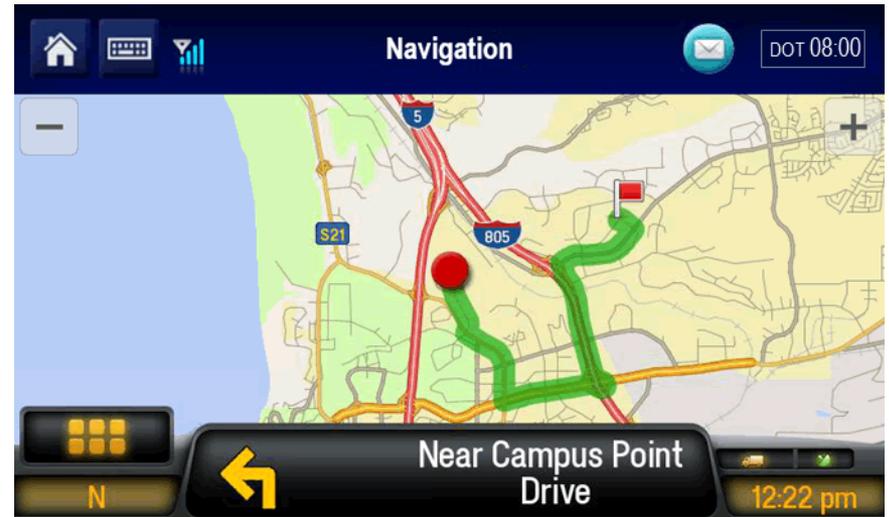
5. Tap  to keep your changes and return to the previous screen.



Navigation: 2D Map Rotation

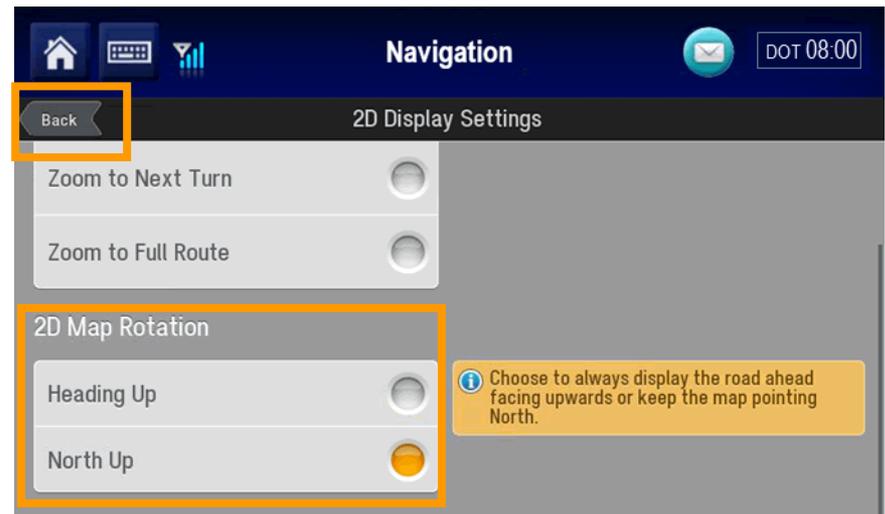
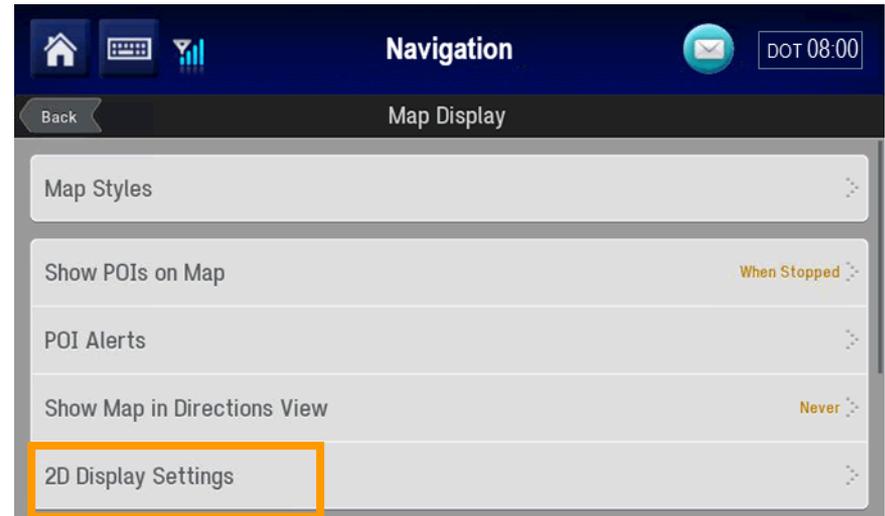
Two-dimensional maps can display with North up, or your heading up. Three-dimensional maps always display heading up.

1. To change the orientation of a 2D map, navigate to the Main Menu.
2. Tap **Settings**.
3. Tap **Map Display**.



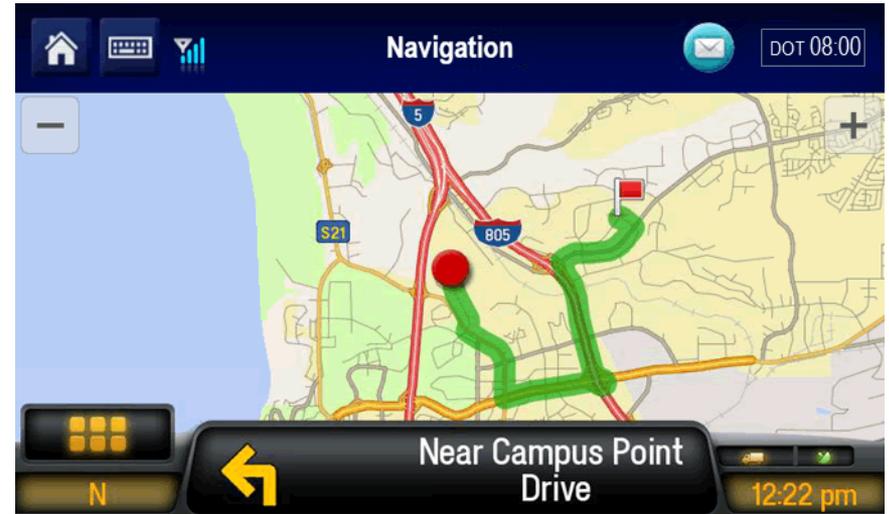
Navigation: 2D Map Rotation

4. Tap **2D Display Settings**.
5. With your finger, scroll down to **2D Map Rotation**.
6. Choose the option you want. In this example, **North Up** is selected.
7. Tap  to keep your changes and return to the previous screen.



Navigation: 2D Map Rotation

The map displays with North up.

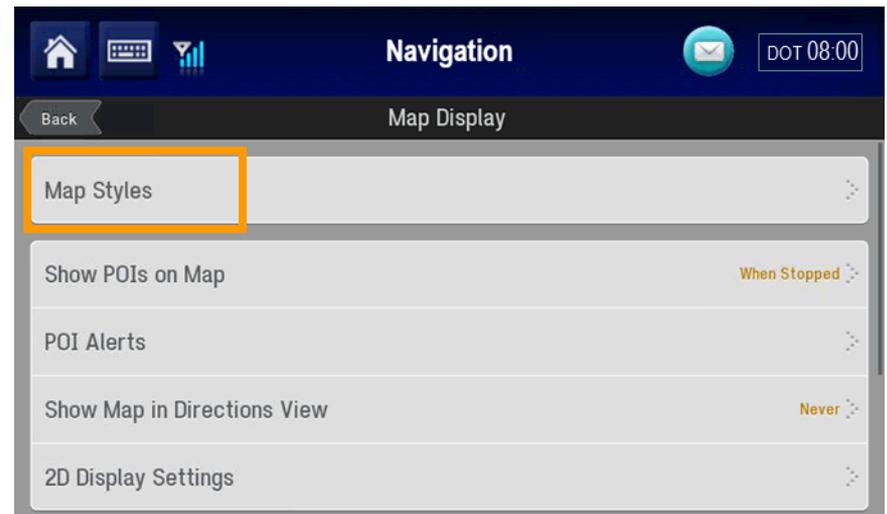
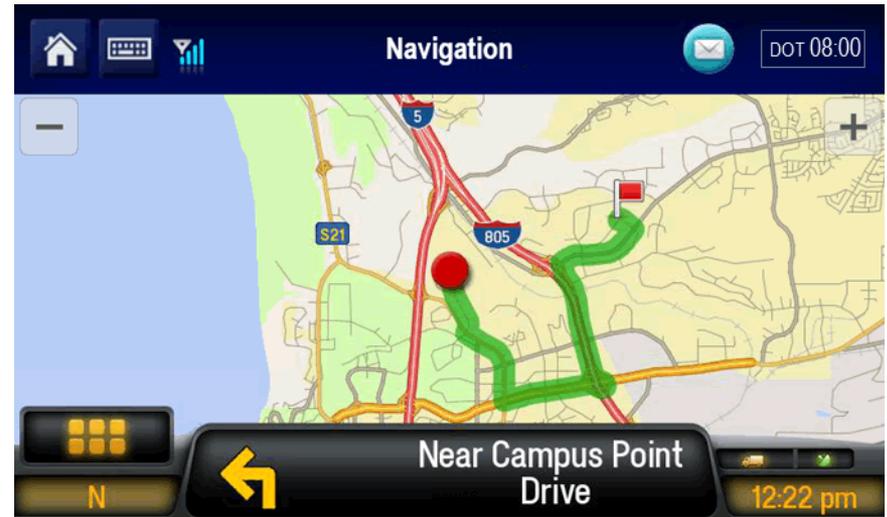


Navigation: Day/Night Mode

You can set CoPilot to use a Day Only or Night Only map style, or choose Auto to switch automatically between the day and night map styles you have selected.

From the Main Menu:

1. Tap **Settings**.
2. Tap **Map Display**.
3. Tap **Map Styles**.



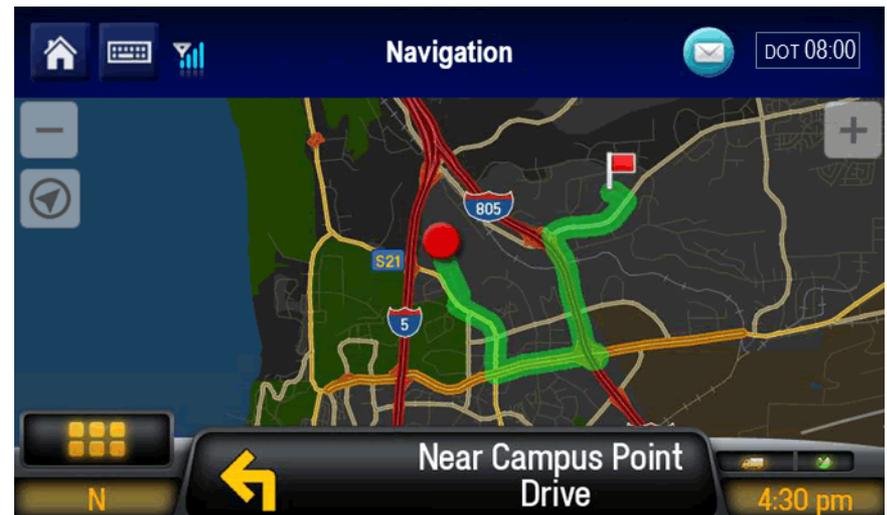
new4

Navigation: Day/Night Mode

4. Tap the options you want. **Night Only** is shown in this example.

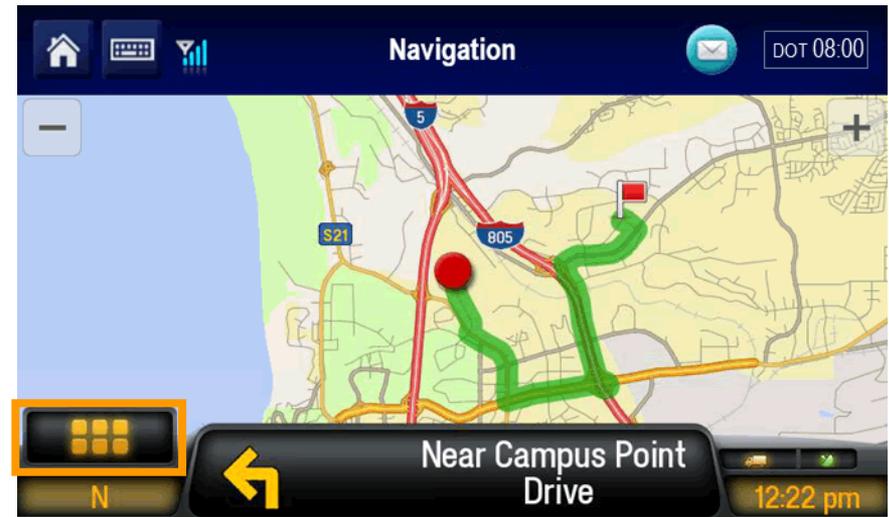


The map now displays in the selected mode.



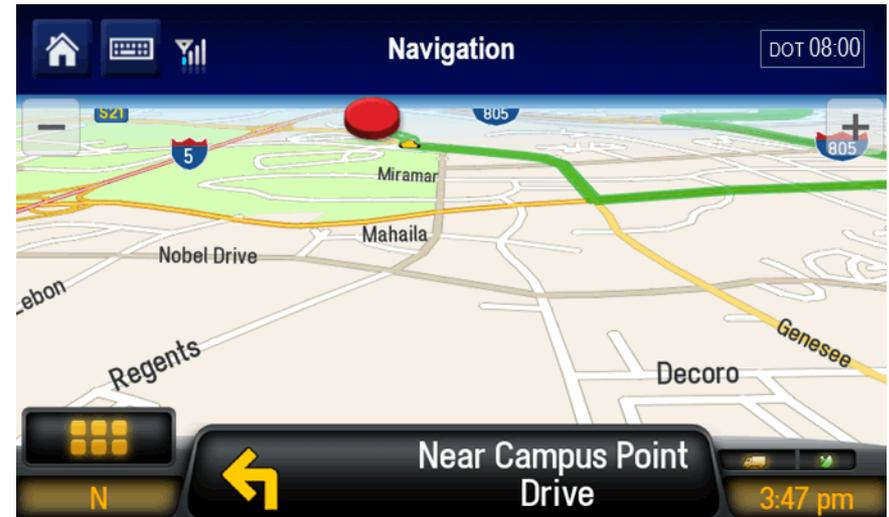
Navigation: Toggle 3D/2D Views

1. To toggle from 2D to 3D map display mode, tap the Driving Menu.
2. If your display is in 2D, the Driving Menu displays a 3D button and vice-versa. To change to 3D, tap 3D Map.



Navigation: Toggle 3D/2D Views

In this example, the map displays in 3D mode.

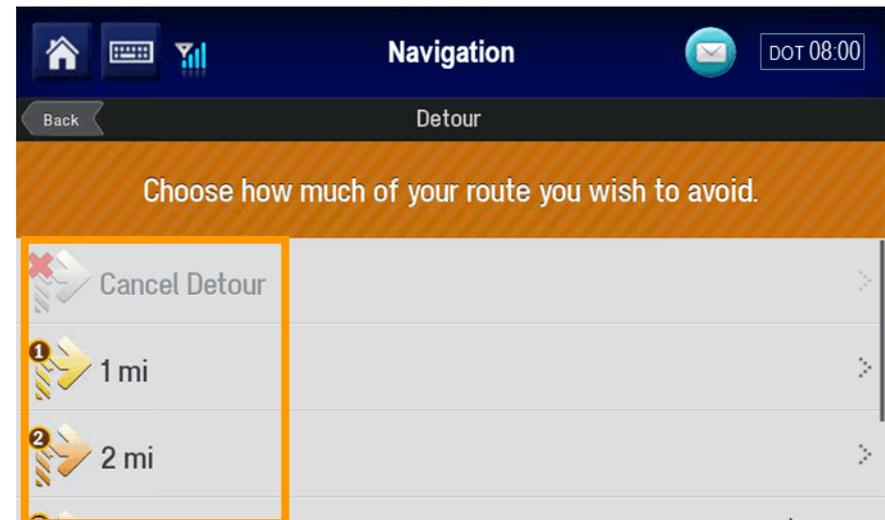


Navigation: Detour

1. To make a detour to your destination, from the Driving Menu, tap **Detour**.

CoPilot calculates an alternate route based on how much route (distance) ahead you want to avoid.

2. Select 1, 2, 5, or 10 miles.



Navigation: Detour

The green line displays the proposed detour.

3. Tap either:

- Original Route to use the initial route (shown in red).

or

- Detour Route to accept the detour (shown in green).

4. Tap **GO**.

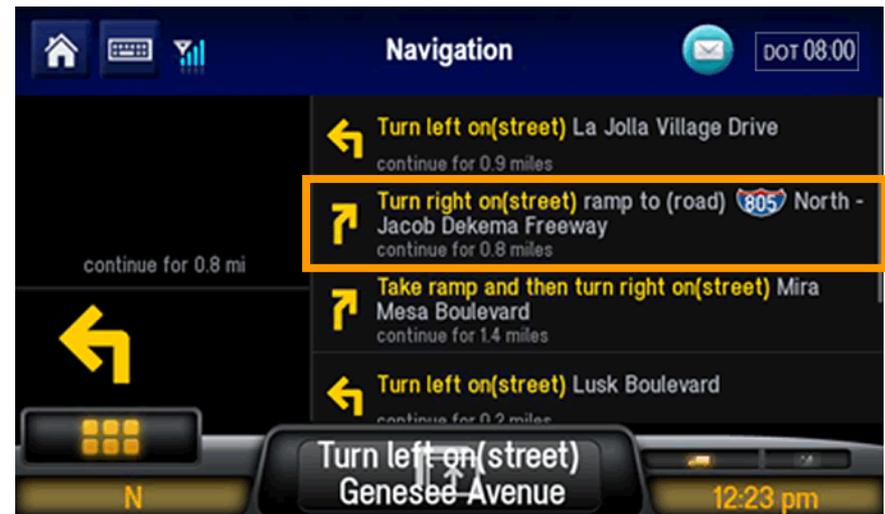


Navigation: Avoid Roads

1. To avoid specific roads to your destination, from the Driving Menu, tap **Directions**.

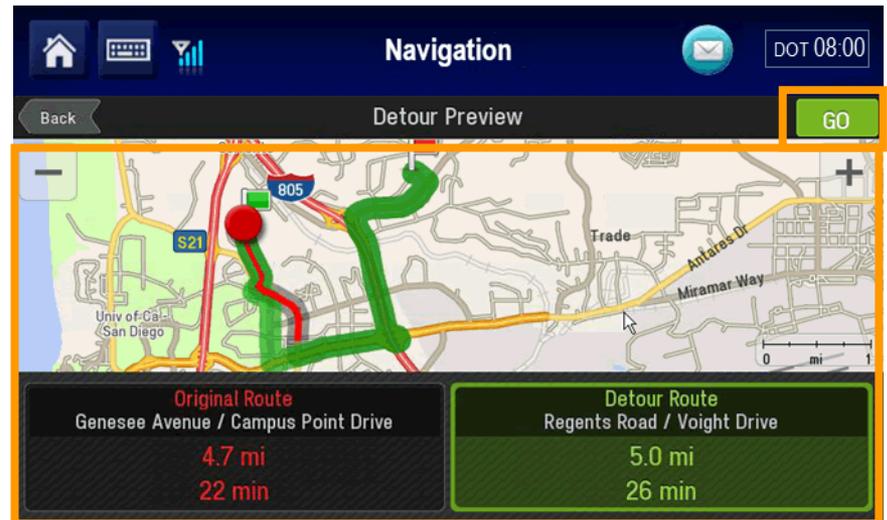
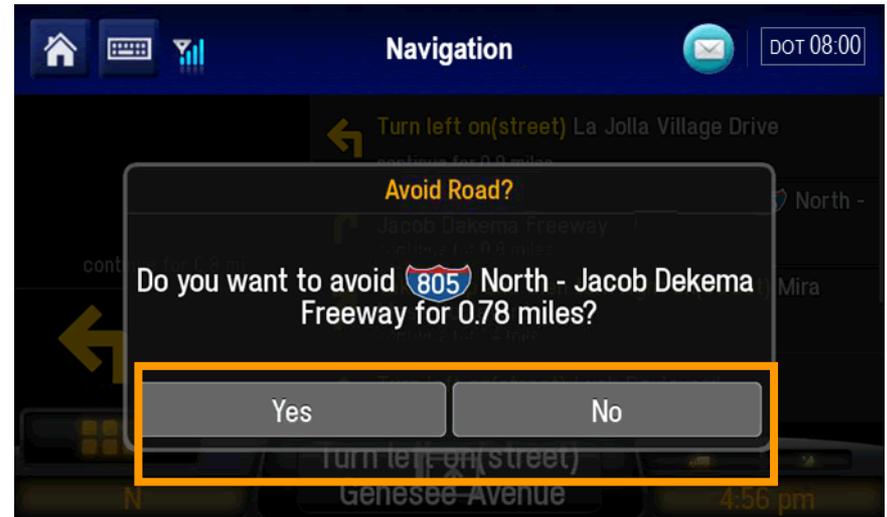


2. Tap the name of the road to avoid.



Navigation: Avoid Roads

3. Confirm the road to avoid by tapping Yes or No.
4. Review the proposed detour.
5. Tap either:
 - Original Route to use the initial route (shown in red).
 - or
 - Detour Route to accept the detour (shown in green).
6. Tap **GO**.



Navigation: Avoid Roads

In this example, 805 North no longer appears in the itinerary.

You can tap another road to avoid, accept the itinerary as listed, or clear all avoided roads.

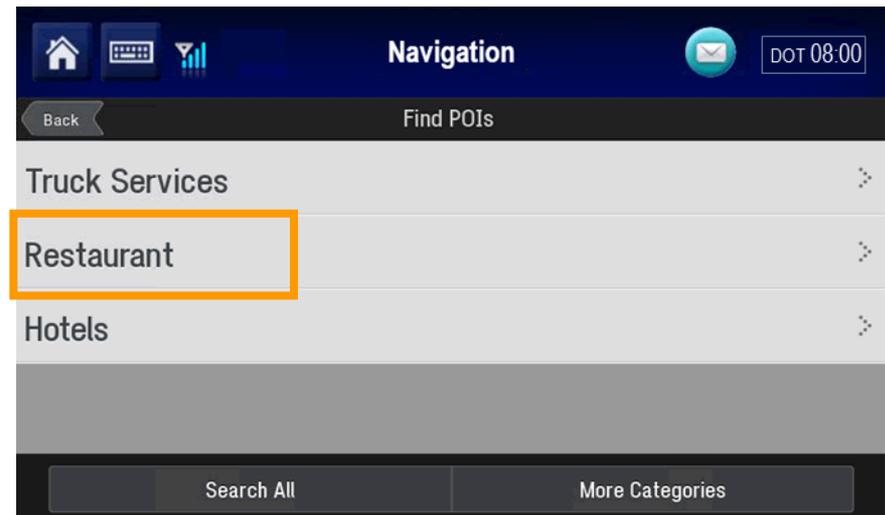


Navigation: Points of Interest

1. To find a point of interest, such as a gas station or restaurant, from the Driving Menu, tap **Find POIs**.



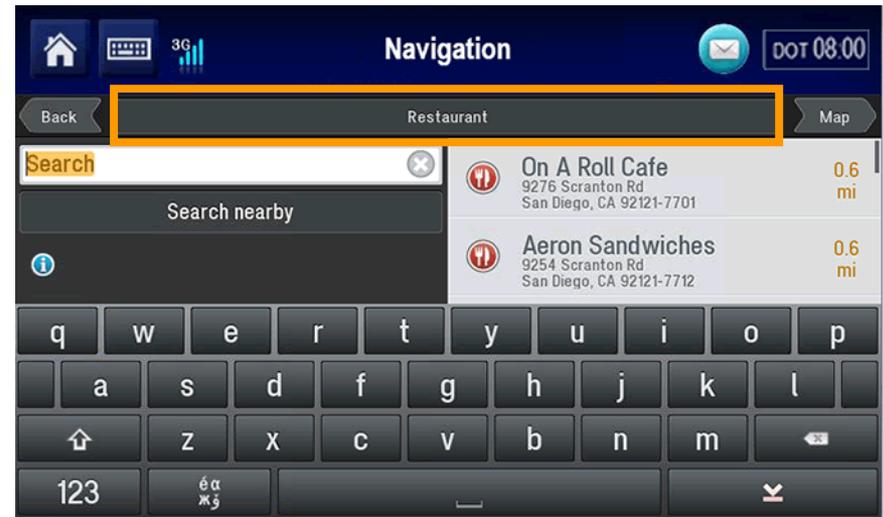
2. Tap Restaurant.



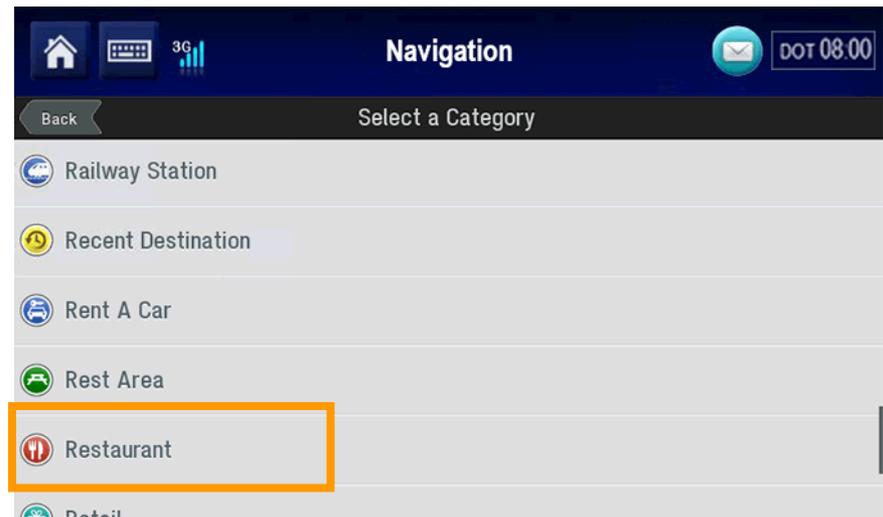
Navigation: Points of Interest

For this example, let's find nearby restaurants and choose a category.

3. A list of restaurants close by display to the right. Tap **Restaurant** in the Category window to view types of restaurants.



4. Scroll the list and tap **Restaurant**.

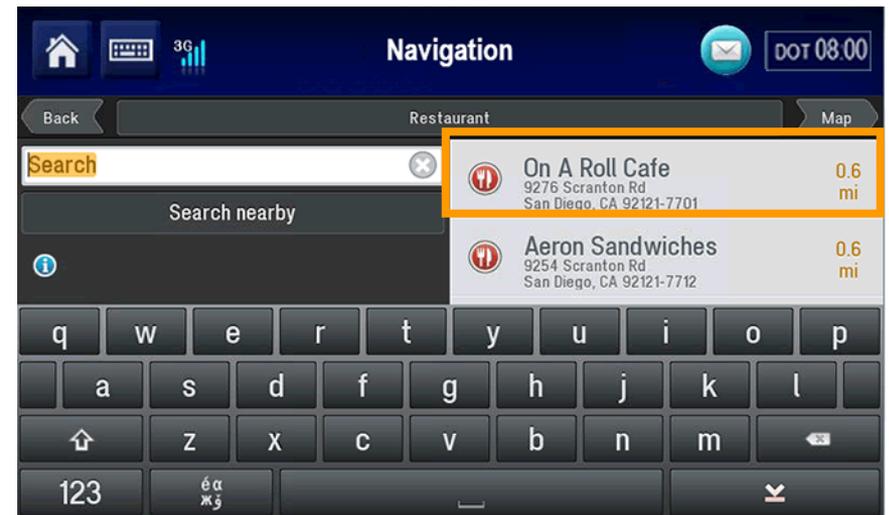


Navigation: Points of Interest

4. Scroll the list to choose a restaurant category, or list all restaurants by tapping Any Restaurant.

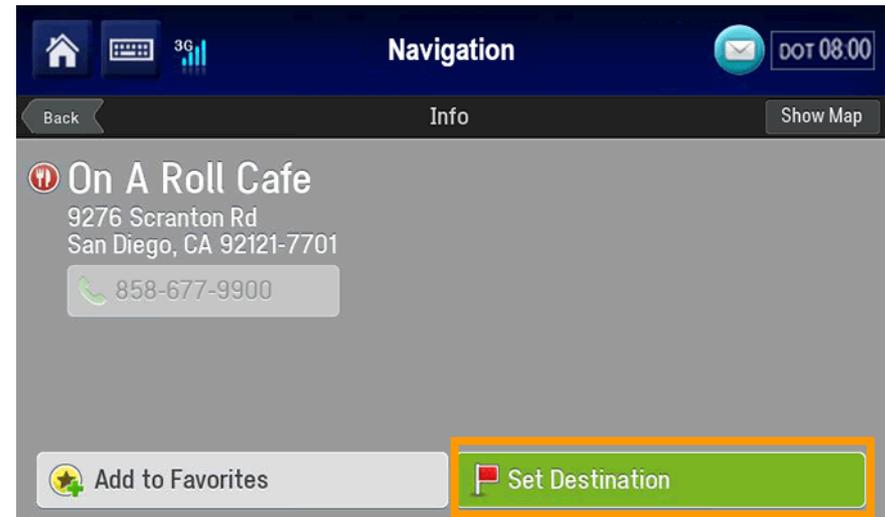


5. Tap On A Roll Cafe.



Navigation: Points of Interest

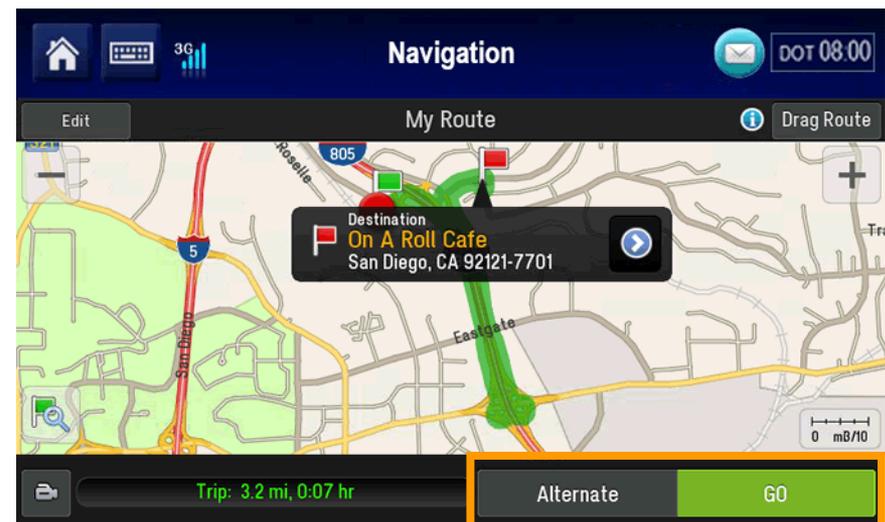
6. Tap Set Destination.



The green line displays the proposed detour.

7. Tap either:

- Alternate to generate an alternate route.
- or
- GO to accept the route.



Navigation: Route Sync

Route Sync provides routes that use preferred fuel stops and account for toll entries and exits.

If you go off route, you are routed with turn-by-turn directions back to the route.

Out of route mileage is reported immediately after every trip.



If your company has Route Sync, you see this Dispatch message.

Tap either:

- **Details** to view information about the route
- **OK** to accept the route and start navigation

MCP110Series Driver Training

- This concludes the Navigation Services training.
- Other training in this series includes:
 - Introduction & Basic Driver Services
 - Cost Management Services
 - Safety & Compliance Services
 - Driver Productivity Enhancement Services
 - Driver Satisfaction Services

CoPilot Truck Driver Handouts

➤ Get Directions

To an address you type

1. From the Go To tab in the Main Menu tap **Address**.
2. Type the first letters of the name of the city, or type the zip code. A list appears showing city names that match your input. Tap the line for the city.
3. Start typing the street name. When the street you want appears in the list, tap it.
4. Type the street number. When the address appears in the list, tap it.
5. Tap **GO**.

To a point of interest (POI)

1. From the **Driving Menu** tap **Find POIs**.
2. Tap the category you want, or to see more categories, tap **More Categories**.
3. A list of POI locations appear matching your selected category.
4. Scroll the list of POIs and tap the one you want.
5. Tap **Set Destination**.
6. Tap **GO**.

➤ Set Routing Options

Avoid roads (detour)

1. From the **Driving Menu** tap **Directions**.
2. Tap the name of the road you want to avoid.
3. Confirm the road to avoid by tapping **Yes** or **No**.
4. Review the proposed detour and tap **Original Route** or **Detour Route**.
5. Tap **GO**. A new itinerary displays that does not include the road you avoided.
6. (Optional) To avoid another road, tap its name in the list. Continue until you have eliminated all roads you want to avoid.

Set Routing Preferences

1. From the Main Menu tap **Route**.
2. Tap **Truck Routing Profile**.
3. To change a setting, tap the button representing that setting.
4. Tap **Back** to keep your changes and return to the previous screen.

➤ Set Viewing Options

Show Itinerary

1. From the **Driving Menu** tap **Directions**.
2. The itinerary view displays.

Display/Hide points of interest (POIs) on map

1. From the **Main Menu** tap **Settings**.
2. Tap **Map Display**.
3. Tap **Show POIs on Map**.
4. Tap the option you want.
5. Tap **Back** to keep your changes and return to the previous screen.

Set day/night mode

1. From the **Main Menu** tap **Settings**.
2. Tap **Map Display**.
3. Tap **Map Styles**.
4. Tap the option you want.
5. Tap **Back** to keep your changes and return to the previous screen.

➤ Obtener instrucciones

Para ir a la dirección que escriba

1. En la pestaña Go To de Main Menu, pulse **Address**.
2. Escriba las primeras letras del nombre de la ciudad o el código postal. Aparecerá una lista con los nombres de las ciudades que coinciden con lo que escribió. Seleccione la ciudad adecuada.
3. Empiece a escribir el nombre de la calle. Cuando aparezca el nombre de la calle que desea en la lista, selecciónelo.
4. Escriba el número de la calle. Cuando aparezca la dirección deseada en la lista, selecciónela.
5. Pulse **GO**.

Para ir a un punto de interés (POI)

1. Desde **Driving Menu**, seleccione **Find POIs**.
2. Seleccione la categoría que desea, o si quiere ver más categorías, pulse **More Categories**.
3. Aparecerá una lista de ubicaciones de puntos de interés que coincide con la categoría elegida.
4. Deslice la lista de POI y seleccione la que desee.
5. Seleccione **Set Destination**.
6. Pulse **GO**.

➤ Determinar opciones de ruta

Evitar caminos (desviar)

1. Desde **Driving Menu**, pulse **Directions**.
2. Seleccione el nombre del camino que desea evitar.
3. Confirme el camino a evitar al seleccionar **Yes** o **No**.
4. Revise la desviación propuesta y seleccione **Original Route** o **Detour Route**.
5. Seleccione **GO**. Aparece un nuevo itinerario que no incluye los caminos que eligió evitar.
6. (Opcional) Para evitar otro camino, pulse su nombre en la lista. Continúe hasta eliminar todos los caminos que desea evitar.

Establecer preferencias de ruta

1. Desde Main Menu, pulse **Route**.
2. Seleccione **Truck Routing Profile**.

3. Para cambiar un parámetro, pulse el botón que representa a ese parámetro.
4. Seleccione **Back** para conservar sus cambios y volver a la pantalla anterior.

➤ Opciones de visualización

Mostrar el itinerario

1. Desde **Driving Menu**, pulse **Directions**.
2. Se muestra una vista del itinerario.

Mostrar/Ocultar los puntos de interés (POI) en el mapa.

1. Desde **Main Menu**, pulse **Settings**.
2. Seleccione **Map Display**.
3. Seleccione **Show POIs on Map**.
4. Seleccione la opción que desee.
5. Seleccione **Back** para conservar sus cambios y volver a la pantalla anterior.

Determinar modo de día o de noche

1. Desde **Main Menu** pulse **Settings**.
2. Seleccione **Map Display**.
3. Seleccione **Map Styles**.
4. Seleccione la opción que desee.
5. Seleccione **Back** para conservar sus cambios y volver a la pantalla anterior.