Pre Post Trip

Work-flow to Use Pre Post Trip

» Use **Load Template** to set up the preference for various conditions

» Repeat **Load Template** for additional instances of any template

Preference Overview

This preference adds pre and/or post trip times to the Vehicles Gantt. These elements allow for vehicle preparation and stand-down respectively at the beginning and end of a work day. The preference allows for

» Both pre and post trip

» Pre trip only

» Post trip only

Additional provisions are made to allow the pre and post trip elements to be included in deadheads (pull-out/pull-in) as well as mid-day parking.

> **Note**
>
> » Adding pre or post trip times also affect the duties and will appear in the Driver Gantt
>
> » You cannot use pre trip together with the **Driver Vehicle Preparation** preference

Templates Available from Optibus

Table 1-1: Templates Summary

Template Name	Purpose	Reference
Pre\Post trip - General	Set time preferences for both Pre Trip and Post trip.	**Pre\Post trip - General**
Post trip - General	Set a time preference for Post trip only.	**Post trip - General**
Pre trip- General	Set a time preference for Pre trip only.	**Pre trip- General**

Pre\Post trip - General

Purpose:

Set time preferences for both Pre Trip and Post trip.

Prerequisites: None.

Opening Dialog:

Figure 1-1: Pre and Post Trip preferences

Points to note:

» **Pre trip time** and **Post trip time** are mandatory fields

» **Can pre (post) trip [be included in] deadheads** Yes/No buttons: Pre trip and Post trip times may be independently included in deadheads. Typically, Pre trip time may be included in a Pull out and Post trip time may be included in a Pull in.

» **Applies to mid day parking**: Setting **Applies to mid day parking** to Yes will add Post and Pre trip times respectively, upon entry to a depot and exit from the depot during the day

» Use **Load Template** to create additional instances

> **Tip**
>
> You can create additional instances of this preference for different vehicle types or time intervals using **Edit Filters**.

Example:
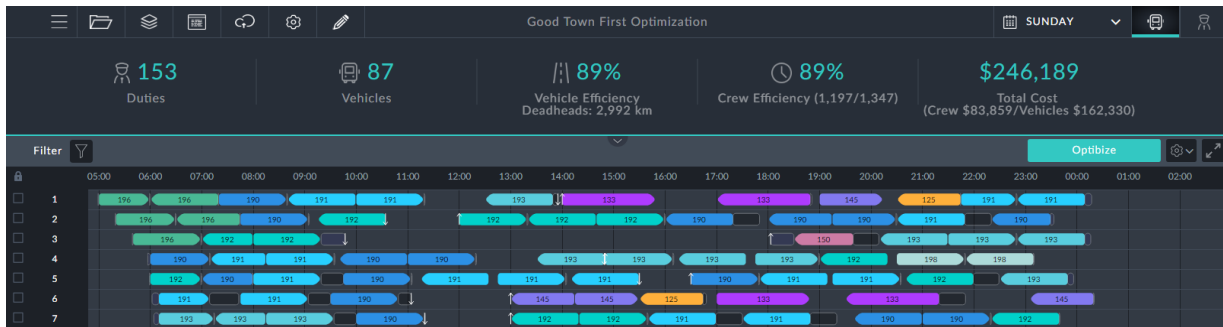
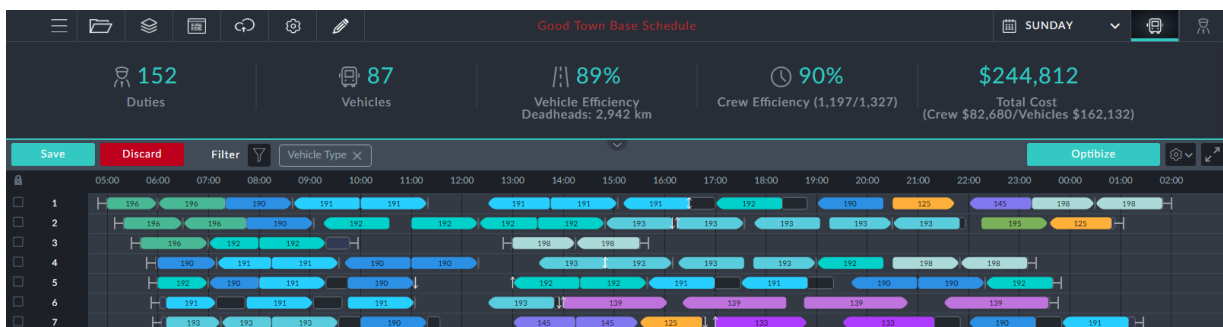Here is a segment of the Vehicles Gantt for a first optimised schedule:

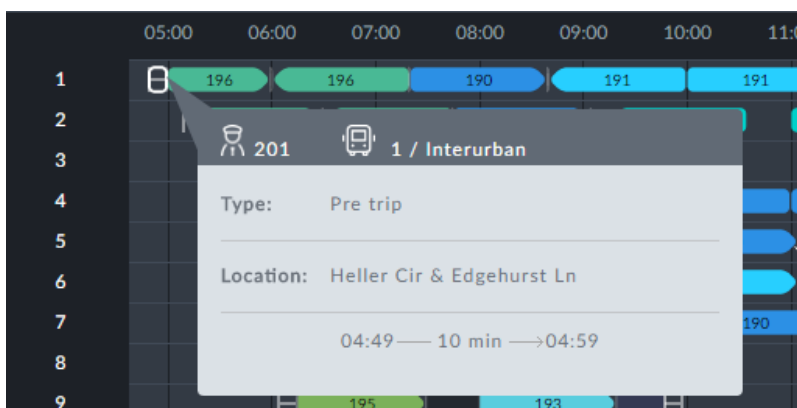*Figure 1-2: Baseline Gantt with first optimization*

Set the pre trip and post trip times to 10 minutes and enable applies to mid day parking.

Run optimization.

Outcome:

First here is the optimized segment shown in **Figure 1-2**:

Notice that there is a pre trip ⊢ element at the beginning of each vehicle block and a post trip ⊣ element at the end. Confirm the outcome by opening the information box for a Pre trip element:

Post trip - General

Purpose:

Set a time preference for Post trip only.

Prerequisites: None.

Opening Dialog:

Points to note:

» **Post trip time**: The **Post trip time** is mandatory

» **Can post trip [be included in] deadheads** Yes/No buttons: Post trip time may be independently included in deadheads. Typically, Post trip time may be included in a Pull in.

» **Applies to mid day parking**: Setting **Applies to mid day parking** to Yes will add Post trip times upon return to a depot during the day

» Use **Load Template** to create additional instances

> **Tip**
>
> You can create additional instances of this preference for different vehicle types or time intervals using **Edit Filters**.

Pre trip- General

Purpose:

Set a time preference for Pre trip only.

Prerequisites: None.

Opening Dialog:

Points to note:

» **Pre trip time**: The **Pre trip time** is mandatory

» **Can pre trip [be included in] deadheads** Yes/No buttons: Pre trip time may be independently included in deadheads. Typically, Pre trip time may be included in a Pull out.

» **Applies to mid day parking**: Setting **Applies to mid day parking** to Yes will add Pre trip times upon leaving a returned-to depot during the day

» Use **Load Template** to create additional instances

> **Tip**
>
> You can create additional instances of this preference for different vehicle types or time intervals using **Edit Filters**.