

Pavement Express Treatment Library

For additional information, see the following topics:

- [PE Selection Priority](#)
- [PE Treatment Cost](#)
- [PE Exclusions](#)
- [PE Condition Improvement](#)
- [PE Other Improvements](#)

The next step for configuring the system is to populate the Treatment Library. Treatment Library provides the system with details of all the treatments that can be used when undertaking maintenance of the pavement and enables these to be selected when undertaking analyses. The same list of treatments is also used in Construction History window to record the completely construction project.

Treatments are used in all analyses, along with decision trees, to provide details of the treatment type and costs of recommended future projects as well as the condition consequences of these projects. The system can then evaluate every single road section condition, the budget and the goal of the Optimization Analysis and to propose the best combination of treatments.

Out of the box, configuration of Treatment Library is done in the Treatment window, which can be navigated to by following the steps below:

1. Click **Setup** in the top banner menu
2. Click **Network Analysis Setup**
3. Select **Treatments** menu

In this window, users can add, remove, and maintain as many treatments as desired.

Pavement Analyst Express > Setup > Network Analysis Setup > Treatments

Save Reload

Treatment Name	Unit Cost	Selection Priority	Exclusion Priority	Exclusion Years	Cost	Budget Group	Comments
Asphalt Preservation	\$50,000.00	1000	10	3	Unit_Cost * Lane Miles	Preventive Maintenance	
PCC Preservation	\$100,000.00	1015	15	4	Unit_Cost * Lane Miles	Preventive Maintenance	
Asphalt Light Rehab	\$200,000.00	1020	20	6	Unit_Cost * Lane Miles	Rehabilitation	
PCC Light Rehab	\$250,000.00	1025	25	7	Unit_Cost * Lane Miles	Rehabilitation	
Asphalt Medium Rehab	\$300,000.00	1030	30	8	Unit_Cost * Lane Miles	Rehabilitation	
PCC Medium Rehab	\$400,000.00	1035	35	10	Unit_Cost * Lane Miles	Rehabilitation	
Asphalt Heavy Rehab	\$500,000.00	1040	40	10	Unit_Cost * Lane Miles	Rehabilitation	
PCC Heavy Rehab	\$1,000,000.00	1045	45	13	Unit_Cost * Lane Miles	Rehabilitation	
Asphalt Reconstruction	\$1,000,000.00	1050	50	12	Unit_Cost * Lane Miles	Reconstruction	
PCC Reconstruction	\$1,500,000.00	1055	55	20	Unit_Cost * Lane Miles	Reconstruction	

1 of 10 total rows

Condition Attributes	Future Detr Type	Condition Improvement Script	Effective for ...
Pavement Condition I	New PC model	Improve by 10 Points	

Changing Attributes	Condition Improvement Script Other	Comments
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The Treatments window has three general panes of information/settings: Treatments, Improvements, and Other Improvements. The components of each pane are discussed in the following sections.

The general process for creating a treatment in the system is as follows:

1. Insert a new treatment and name the treatment
2. Populate priority, unit cost, budget category and work code information
3. Configure condition improvements as a result of the treatment
4. Configure other improvements (e.g. reset pavement age)