

View Section Performance in Pavement

The Section Performance window is used to view the performance model assigned to each road section as well as set section-specific performance models. This window contains two panes: the Sections (top) pane and the Graph (bottom) pane.

- [Set a Section-Specific Model - Click Here for Section-Specific Model Exercise](#)
- [Remove a Section-Specific Model](#)

Set a Section-Specific Model - [Click Here for Section-Specific Model Exercise](#)

The model decision tree in the Performance Models window determines what model is used to gauge deterioration for all road sections that meet the criteria of the branch of the decision tree.

The objective of this lesson is for the participant to understand how to view data in the Section Performance window.

At the end of this lesson, the user should be able to review Section Performance data along with its graphical details.

In this example, we review the details of a Section Performance record by performing the following steps:

1. Open the Section Performance window: **Pavement Analyst > Analyst > Performance Analysis > Section Performance**

The screenshot shows the 'Section Performance' window in the 'Pavement Analyst' application. The breadcrumb navigation is 'Pavement Analyst > Analysis > Performance Analysis > Section Performance'. The 'SELECT COLUMN' dropdown is set to 'Fauling' and the 'SELECT MODEL' dropdown is set to 'Default Model - pow life sqr 43.2'. Below the dropdowns is a table with the following data:

PMS Section #	AADT	Lane Miles	Length	Pavement Type	Number of Lanes	Pave Age	Percent Truck	Interstate?	NHS?	Segmentation Type	Work Code	MAP21 Condition Cat
2277897	9453	10.354	5.177	Asphalt	2	50	16.03	<input type="checkbox"/>	<input type="checkbox"/>	Management Section		Poor
2277898	3416	1.848	0.462	Asphalt	4	50	23.85	<input type="checkbox"/>	<input type="checkbox"/>	Management Section		Fair
2277899	3201	23.597	3.371	Asphalt	7	50	22.96	<input type="checkbox"/>	<input type="checkbox"/>	Management Section		Poor
2277900	3302	85.008	12.144	Asphalt	7	2	21.31	<input type="checkbox"/>	<input type="checkbox"/>	Management Section		Fair
2277901	3782	52.598	7.514	Asphalt	7	8	18.81	<input type="checkbox"/>	<input type="checkbox"/>	Management Section		Fair

Below the table, there is a graph area for 'Fauling' with the title 'Route ID:H001A Direction:Both Lane:All Offset:0 BMP:16.345 EMP:21.522'. The graph shows 'Age (YEAR)' on the x-axis and 'Fauling' on the y-axis. The graph area is currently empty.

2. At the top of the window, click the **SELECT COLUMN** drop-down arrow and select the condition attribute that will be predicted by the model you wish to assign.

The screenshot shows the 'Section Performance' window with the 'SELECT COLUMN' dropdown menu open. The dropdown menu lists the following options: 'Fauling', 'IRI', and 'Percent Cracking'. 'IRI' is selected. The 'SELECT MODEL' dropdown is set to 'Default Model - pow life sqr 22'. Below the dropdowns is a table with the following data:

PMS Section #	AADT	Lane Miles	Length	Pavement Type	Number of Lanes	Pave Age	Percent Truck	Interstate?	NHS?	Segmentation Type	Work Code	MAP21 Condition Ca
2277874	14586	0.44			3	50	0	<input type="checkbox"/>	<input type="checkbox"/>	Management Section		Fair
2277875	14586	1.008	0.168	Asphalt	6	50	0	<input type="checkbox"/>	<input type="checkbox"/>	Management Section		Fair
2277876	14586	0.354	0.118	Asphalt	3	50	0	<input type="checkbox"/>	<input type="checkbox"/>	Management Section		Fair
2277877	14586	1.266	0.211	Asphalt	6	50	0	<input type="checkbox"/>	<input type="checkbox"/>	Management Section		Fair
2277878	16476	0.999	0.333	Asphalt	3	50	0	<input type="checkbox"/>	<input type="checkbox"/>	Management Section		Fair

3. In the **Section Model (upper) pane**, click the drop-down and select the right model.

Pavement Analyst > Analysis > Performance Analysis > Section Performance ☆ Save Relo

SELECT COLUMN IRI SELECT MODEL Default Model - pow life sqr 22

Section Performance Actions ▾ Default Model - pow life sqr 22

PMS Section #	AADT	Lane Miles	Length	Pavement Type	Number of Lanes	Pave Age	Percent Truck	Interstate?	NHS?	Segmentation Type	Work Code	MAP21 Condition Ca
2277874	14586	0.447	0.149	Asphalt	3	50	0	<input type="checkbox"/>	<input type="checkbox"/>	Management Section		Fair
2277875	14586	1.008	0.168	Asphalt	6	50	0	<input type="checkbox"/>	<input type="checkbox"/>	Management Section		Fair
2277876	14586	0.354	0.118	Asphalt	3	50	0	<input type="checkbox"/>	<input type="checkbox"/>	Management Section		Fair
2277877	14586	1.266	0.211	Asphalt	6	50	0	<input type="checkbox"/>	<input type="checkbox"/>	Management Section		Fair
2277878	16476	0.999	0.333	Asphalt	3	50	0	<input type="checkbox"/>	<input type="checkbox"/>	Management Section		Fair

<< 1 of 4024 total rows >>

4. In the **Section Performance pane**, click on the record of interest to see its graphical details.

Pavement Analyst > Analysis > Performance Analysis > Section Performance ☆ Save Relo

SELECT COLUMN IRI SELECT MODEL Default Model - pow life sqr 22

Section Performance Actions ▾

PMS Section #	AADT	Lane Miles	Length	Pavement Type	Number of Lanes	Pave Age	Percent Truck	Interstate?	NHS?	Segmentation Type	Work Code	MAP21 Condition Ca
2277874	14586	0.447	0.149	Asphalt	3	50	0	<input type="checkbox"/>	<input type="checkbox"/>	Management Section		Fair
2277875	14586	1.008	0.168	Asphalt	6	50	0	<input type="checkbox"/>	<input type="checkbox"/>	Management Section		Fair
2277876	14586	0.354	0.118	Asphalt	3	50	0	<input type="checkbox"/>	<input type="checkbox"/>	Management Section		Fair
2277877	14586	1.266	0.211	Asphalt	6	50	0	<input type="checkbox"/>	<input type="checkbox"/>	Management Section		Fair
2277878	16476	0.999	0.333	Asphalt	3	50	0	<input type="checkbox"/>	<input type="checkbox"/>	Management Section		Fair

<< 1 of 4024 total rows >>

Route ID:H001A Direction:Both Lane:All Offset:0 BMP:0 EMP:0.149

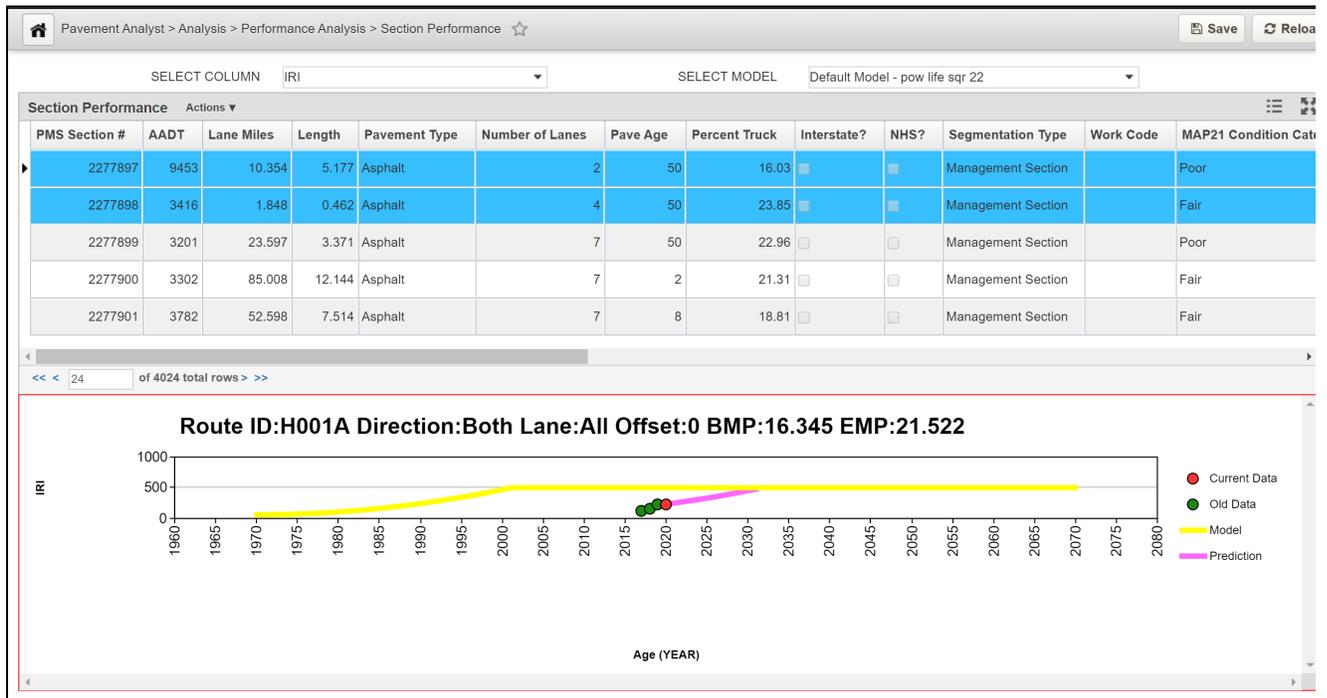
Legend: Current Data (red dot), Old Data (green dot), Model (yellow line), Prediction (pink line)

Remove a Section-Specific Model

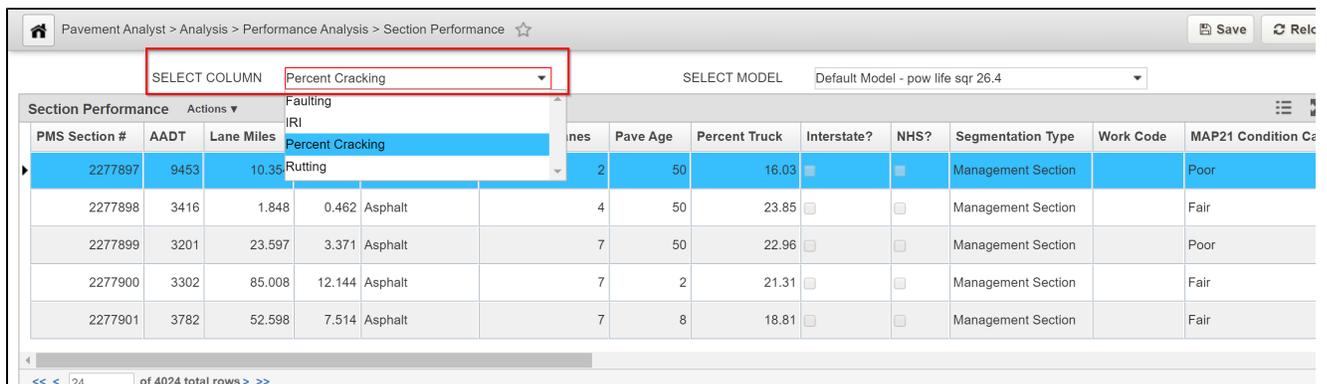
Once a section has its own model that predicts deterioration of a condition attribute, you can restore the default model to this road section by following these steps (the default model is the one identified in the model decision tree in the Performance Models window):

In this example, we remove a Section-specific performance model by performing the following steps:

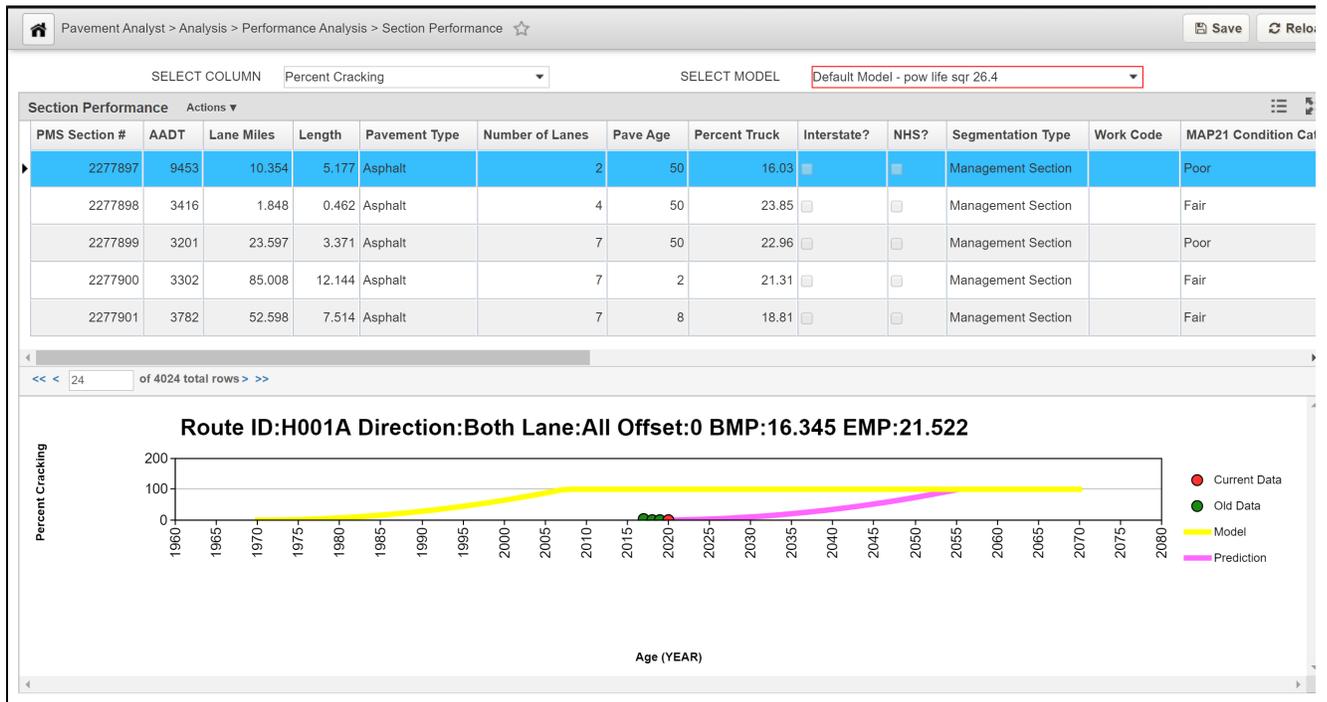
1. Display the Section Performance window.



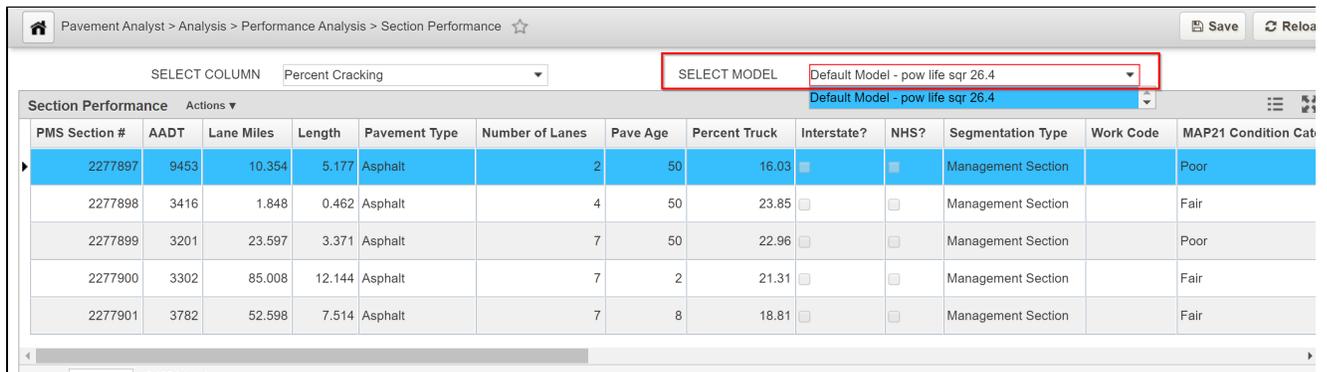
2. At the top of the window, click the drop-down arrow for the **Select Column** field and select the condition attribute that will be predicted by the model you wish to assign.



3. In the **Section Performance** (upper) pane, locate the desired road section and select the row showing this road section to select it.



4. At the top of the window, click the down arrow for the **Select Model** field and select the model identified as the default model in the drop-down list. The system redraws the curves in the lower pane of the Section Performance window utilizing the default model.



5. Click **Save** to save the record