

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 software. The breadcrumb navigation at the top reads 'Pavement Analyst > Analysis > Performance Analysis > Section Performance'. There are 'Save' and 'Reload' buttons in the top right. Below the navigation, there are two dropdown menus: 'SELECT COLUMN' set to 'Faulting' and 'SELECT MODEL' set to 'Default Model - pow life sqr 43.2'. The main area contains a table with the following columns: PMS Section #, AADT, Lane Miles, Length, Pavement Type, Number of Lanes, Pavement Age, Percent Truck, Interstate?, NHS?, Segmentation Type, Work Code, and MAP21 Condition Cat. The table lists five road sections. Below the table is a pagination bar showing '24 of 4024 total rows'. At the bottom, there is a graph area with the title 'Route ID:H001A Direction:Both Lane:All Offset:0 BMP:16.345 EMP:21.522'. The graph has a vertical axis labeled 'Faulting' and a horizontal axis labeled 'Age (YEAR)'. The graph area is currently empty.

PMS Section #	AADT	Lane Miles	Length	Pavement Type	Number of Lanes	Pavement Age	Percent Truck	Interstate?	NHS?	Segmentation Type	Work Code	MAP21 Condition Cat
2277897	9453	10.354	5.177	Asphalt	2	50	16.03	<input checked="" type="checkbox"/>	<input checked="" 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

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.

This screenshot shows the same 'Section Performance' window, but with the 'SELECT COLUMN' dropdown menu open. The dropdown menu lists several options: 'Faulting', 'IRI', 'Percent Cracking', and 'Rutting'. The 'IRI' option is currently selected and highlighted in blue. The rest of the window, including the table and graph area, remains the same as in the previous screenshot.

PMS Section #	AADT	Lane Miles	Length	Pavement Type	Number of Lanes	Pavement Age	Percent Truck	Interstate?	NHS?	Segmentation Type	Work Code	MAP21 Condition Cat
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 ☆

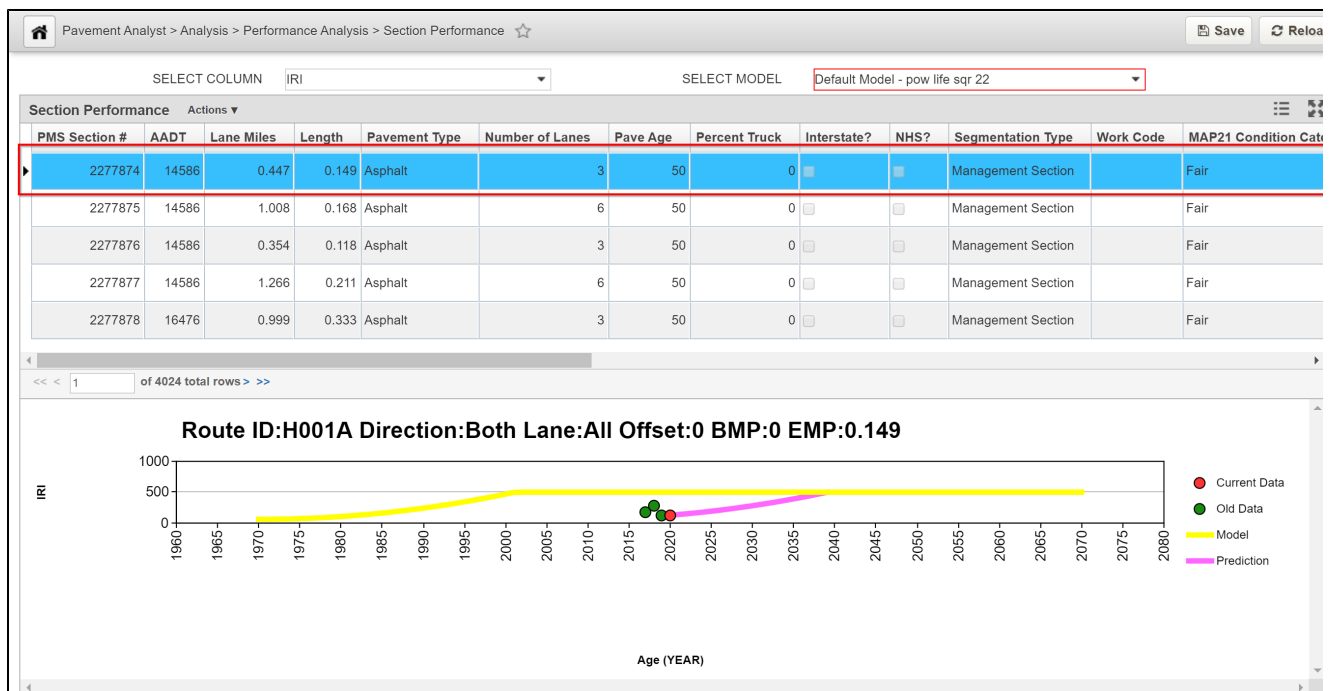
SELECT COLUMN IRI SELECT MODEL Default Model - pow life sqr 22

Section Performance Actions ▾

PMS Section #	ADT	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.

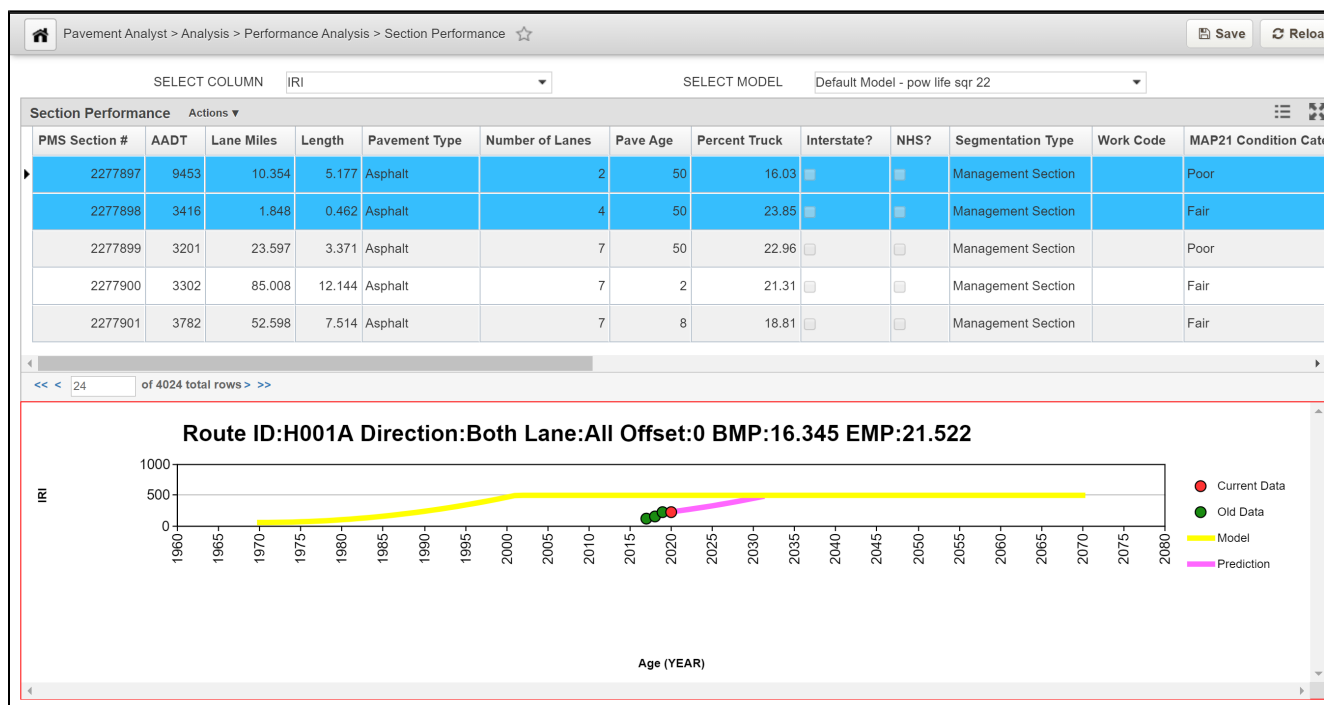


Remove a Section-Specific Model

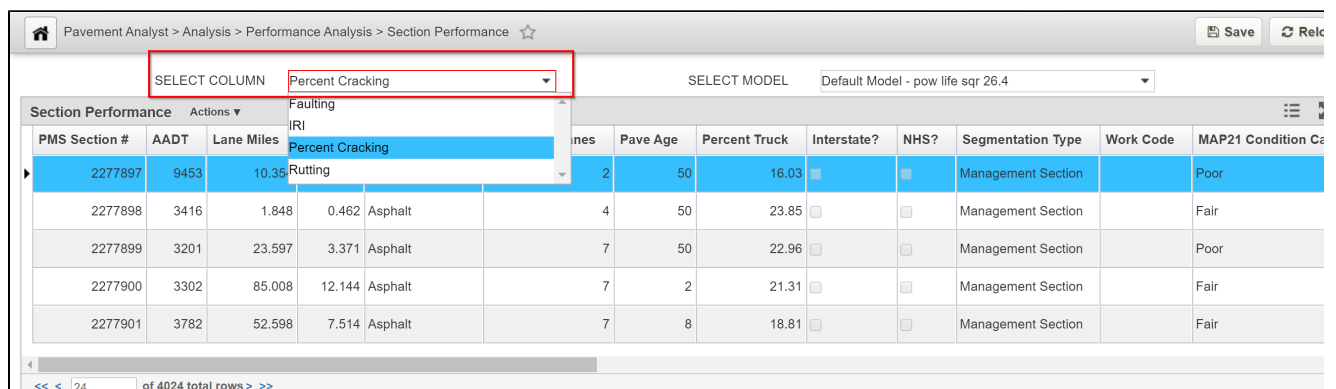
Once a section has its own model that predicts deterioration of a condition attribute, you can restore the default model to this road section by following these steps (the default model is the one identified in the model decision tree in the Performance Models window):

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

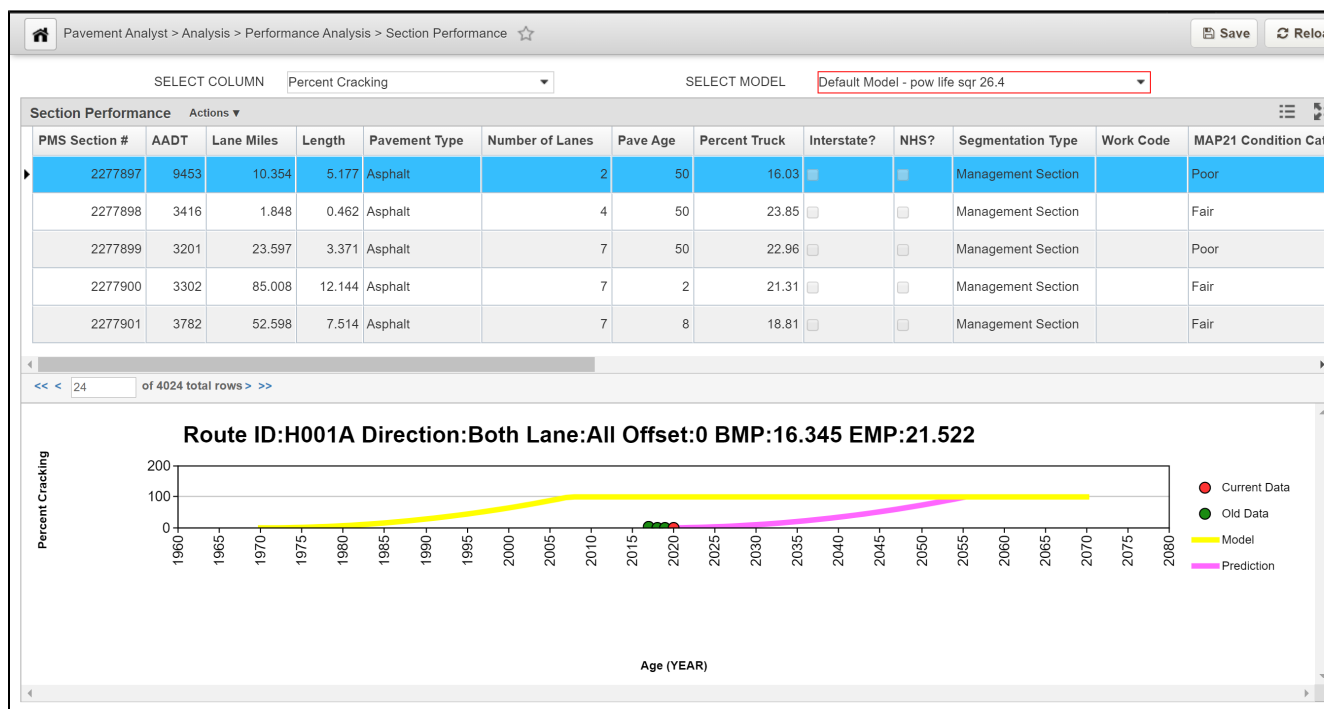
1. Display the Section Performance window.



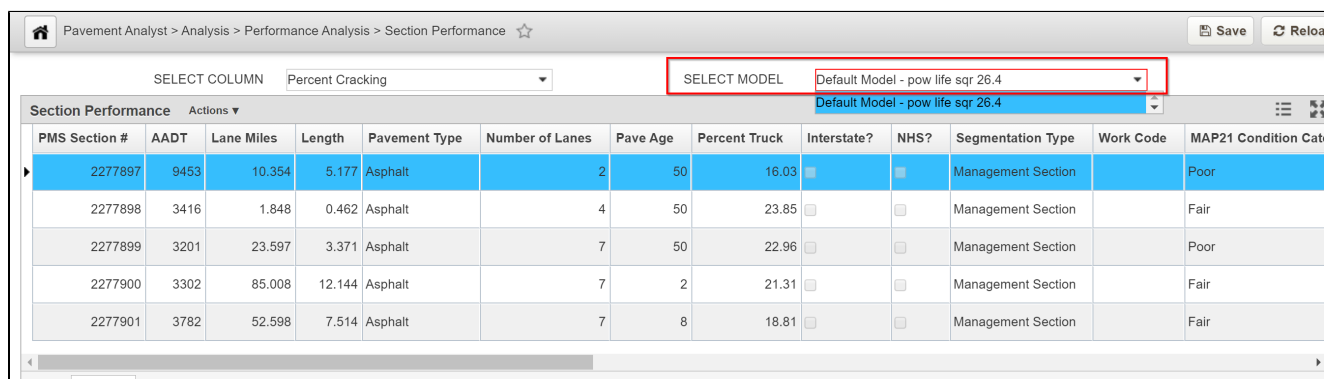
2. At the top of the window, click the drop-down arrow for the **Select Column** field and select the condition attribute that will be predicted by the model you wish to assign.



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