## Applying a Carriageway Filter to an Asset

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To apply a filter to an asset table based on information in the carriageway table (such as province or sealed/unsealed network) the following steps should be followed (note that this article outlines how to apply a filter for province – if you want to filter for network type or other information, change "province" for the appropriate field.

Open the filter for the layer you want to filter.



Use the drop down arrow beside the "Add" button.



Select the third option "Add condition on a related item".



On the next tab that opens up once you select the option, make sure that the option "have" is selected, and then click on Select Table.

<	Related Table Condition _ ×				
)	<b>₽</b> Apply				
·	Include Bridges (PNG) that:				
	have				
	🔿 do <b>not</b> have				
	Select Table				
	O linked.				
	○ shape nearby within 10 m.				
	O displacement overlaps.				
	O displacement within.				
	Apply				

In the select table tab that pops up, type **carr** in the search box, and then select "carriageway sections" in the list that shows up.

Related Table Condition _ ×	Select Related Table _ ×		
Be Accel	<b>₽</b> Refresh		
Include Bridges (PNG) that: have	This lists related lookup and child tables but you can search for any other table as well.		
🔿 do not have	Q carr X		
Select Table >	Carriageway Sections		
O linked.	Carried Functions Lookup		
O shape nearby within 10 m.			
O displacement overlaps.			
O displacement within.			
Apply			

Once you've selected Carriageway Sections it will automatically return to the Linked Tab where you want to select **displacement overlaps** option and click apply:

$\blacksquare$ Related Table Condition $\_$ $\angle$
<b>₽</b> Apply
Include Bridges (PNG) that: have do not have
Carriageway Sections
O linked.
$\bigcirc$ shape nearby within 10 m.
ø displacement overlaps.
O displacement within.
Apply

This is why we choose displacement overlaps – the asset has a start RP that overlaps with one of the carriageway sections – it then uses this carriageway section to filter for the data held on the carriageway section (note that the RPs given here are examples and may not match those in the actual database ) – in this case, the example bridge would be assigned to the Morobe province based on its start position:

Eridge (PNG) Layer Fil	ter _ X
Apply Clear	🗸 Auto Apply 🤔 Help
Removal Date is null	×
	Add condition on Bridge (PNG)
Carriageway Section	displacement overlap 🗙
	Add condition on Carriageway Section Add
	Add an Or condition

The select column tab will pop up as usual – here we want to select province (either start typing province in the search bar at the top or scroll through the list to find it):

Eridge (PNG) Layer Filter	_ ×	🔜 Select Column 📃 🗡
Anny Cour	🖌 Auto Apply 🤌	<b>C</b> Refresh
Removal Date is null	×	Select a column to inter by.
	Add condition on Bridge (PNG) Add	Q prov X
Carriageway Section	displacement overlap 🗙	Location Province
column operator	Value	
Ad	d condition on Carriageway Section Add    Add an Or condition	

This will cause the lookup for province to pop-up – select the province(s) or region(s) you want to filter by – you can

tick as many as you want – if you're only after a single province, only select that single province, and then click apply:

Eridge (PNG	) Layer Filt	er	-	×	Select Values	_ ×
Apply Clear			🖌 Auto Apply	<b>⊘</b> Help	✓ 🕞 C Selected Apply Refresh	
Removal Date	is null			×	Select values for this filter.	~
		Add condition	on Bridge (PNG) Add	<b>  -</b>		^
Carriageway Sec	tion		displacement overlap	×	Bougainville	
Province	in	select values		×	East New Britain Manus	
		Add condition on Can	riageway Section Add	<b>  -</b>	New Ireland	
		,	Add an Or condition	•	Vest New Britain	
					Central	
					Gulf Milne Bay	
					Western	
					Chimbu	
					Eastern Highlands	
					Enga Hela	
					-liwaka	
					Vestern Highlands	
					MOMASE	
					Madang	
					Select Al None	Add Items
						Apply

This takes you back to the main filter tab – if the **auto apply** option at the top is ticked, this will have immediately applied your filter, and you can close the tab – otherwise you'll need to click **Apply** and then close the tab:

Bridge (PN	IG) Layer Fil	ter	>
lige X Apply Clear		🗸 Ai to Apply	<b>?</b> Hel
Removal Date	is null		×
		Add condition on Bridge (PNG) Add	▼
Carriageway S	ection	displacement overlap	×
Province	in	SOUTHERN:NCD	×
		Add condition on Carriageway Section Add	▼
		Add an Or condition	•

The filter is now applied, and this can be repeated for any table that holds both a road name, and either a location or start and end location against the record.

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