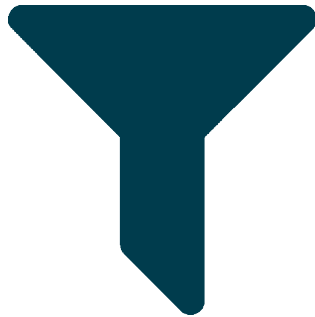


thinkproject

FILTERING IN RAMM

Work smarter



RAMM

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GLOBAL FILTERS

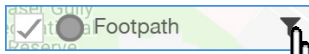
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SETTINGS

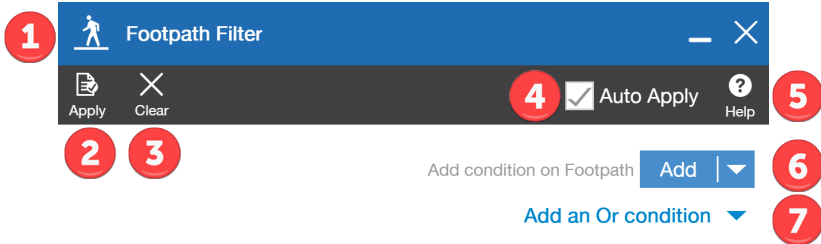
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Create a Filter



or



- 1 Filter heading for selected asset type
- 2 Apply filter conditions
- 3 Clear (delete) all conditions
- 4 Applies conditions as they're added
- 5 Helpful video on creating filters
- 6 Add an AND condition on the asset or an item related to it
- 7 Add an OR condition on the asset



Blue icon in Map means the layer is filtered



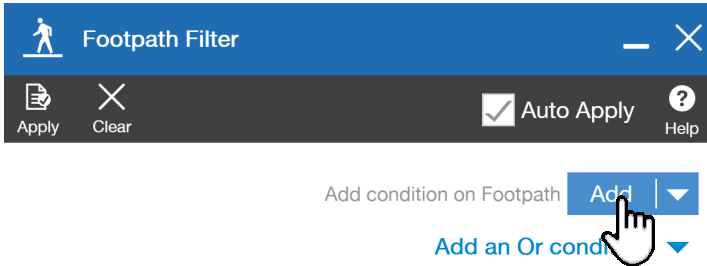
Green line under button in Grid means the layer is filtered

Press  in Map or Grid to create a Filter.
The filter is applied to both the Map Layer
and the associated Grid.

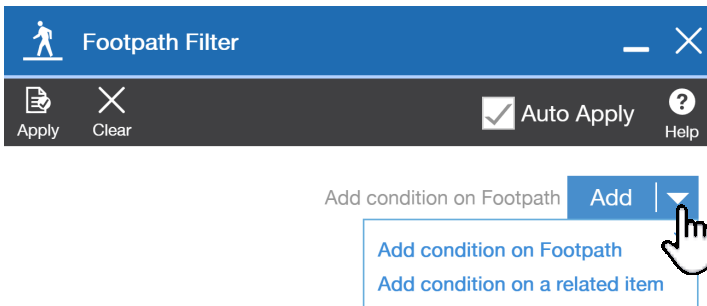


Add AND Condition

Press **Add** to add an AND condition using available data for the asset.



Press **▼** to add an AND condition using available data for the asset or an item related to the asset.



All conditions must be met for assets to display when AND conditions are added.
You must add an AND condition first.



Add OR Condition

Press **Add an Or condition** to add a new OR condition using available data for the asset.

The screenshot shows the 'Footpath Filter' interface. At the top is a blue header with a person icon, the title 'Footpath Filter', and minus and close icons. Below this is a dark grey bar with 'Apply' (document icon), 'Clear' (X icon), 'Auto Apply' (checked checkbox), and 'Help' (question mark icon). The main area contains the text 'Add condition on Footpath' followed by a blue 'Add' button with a dropdown arrow. Below the 'Add' button is a blue link 'Add an Or condition' with a dropdown arrow. A hand cursor is pointing at this link.

Press ▼ to add a new OR condition using available data for the asset, or copy current conditions

This screenshot is identical to the previous one, but with the dropdown menu for 'Add an Or condition' open. The menu contains two options: 'Add an Or condition' and 'Add Or and duplicate conditions'. A hand cursor is pointing at the first option.

Add OR conditions after an AND condition to display assets that meet either condition(s).



Condition Criteria

| | | | |
|---------------|-----------------|--------------|---|
| <i>column</i> | <i>operator</i> | <i>value</i> | × |
|---------------|-----------------|--------------|---|

column

= **WHAT** to filter by

operator

= **HOW** to filter

value

= **MATCH** to this



= delete this condition



For every condition select **WHAT** you want to filter, **HOW** you want to filter it, and what to **MATCH** it to.




Select Column



column



 Select Column 

 Refresh

Select a column to filter by.

 Search 


Location

Road

Location

Side

Offset



The columns are specific for each asset.
Type the name to search, or
scroll down the list.



Select Operator – Compare by Value

operator



Select Operator — ×

Select an operator to use for this filter

Compare by Value ▼

×

Equal To

Not Equal To

Greater Than

Greater Than or Equal To

Less Than

Less Than or Equal To

In

Is Not In

Is Null

Is Not Null

Like

Not Like

Use Compare by Value when you have defined values to filter for.

The available operators will depend on the type of column selected.



Select Value

value



- ☐ Footpath
- ☐ Cycleway
- ☐ Both

July 2020

| Su | Mo | Tu | We | Th | Fr | Sa |
|----|----|----|----|----|----|----|
| | | | 1 | 2 | 3 | 4 |
| 5 | 6 | 7 | 8 | 9 | 10 | 11 |
| 12 | 13 | 14 | 15 | 16 | 17 | 18 |
| 19 | 20 | 21 | 22 | 23 | 24 | 25 |
| 26 | 27 | 28 | 29 | 30 | 31 | |

Today

Yesterday

Today

Tomorrow

Last Week

This Week

Next Week

Last Month

This Month

Next Month

Last Quarter

This Quarter

Next Quarter

Last Year

This Year

Next Year

Last Financial Year

This Financial Year

Next Financial Year

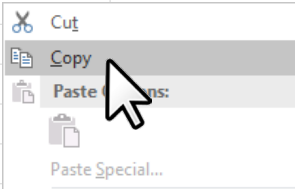
The values to match to will depend on the column and operator selected.

When prompted, enter a unit of measure or select an option or date.



Custom Values

| | A | B | C |
|---|---------|---|---|
| 1 | Item ID | | |
| 2 | 7751 | | |
| 3 | 7752 | | |
| 4 | 7753 | | |
| 5 | 7754 | | |
| 6 | 7755 | | |



Copy items from a spreadsheet or similar



in

select values



Select Values — ×

Refresh Apply Selected

Select values for this filter.

Search ×

No results

Select [All](#) [None](#)

[Add Items](#)



Apply



Using the IN operator,
custom values can be added
for the filter to match.



Custom Values

continued



Filter - Add Items

Apply

You can enter a list of identifiers to filter by. These can be separated by comma, tab, semi-colon, or new line.

Context menu options:

- Cut (Ctrl+X)
- Copy (Ctrl+C)
- Paste (Ctrl+V)
- Paste as plain text (Ctrl+Shift+V)
- Select all (Ctrl+A)

Right-click and Paste, or press Ctrl + V



Filter - Add Items

Apply

You can enter a list of identifiers to filter by. These can be separated by comma, tab, semi-colon, or new line.

7751
7752
7753
7754
7755

Apply



Items can be typed manually,
or copied and pasted.



Custom Values

continued



Select Values

Refresh

Apply

Selected

Select values for this filter.

Search

X

☒

 7751

☒

 7752

☒

 7753

☒

 7754

☒

 7755

Select

[All](#)

[None](#)

[Add Items](#)

Apply



Footpath Filter

Apply

Clear

☒ Auto Apply

Help

| | | | |
|-------------|----|--------------------------|---|
| Footpath ID | in | 7751,7752,7753,7754,7755 | X |
|-------------|----|--------------------------|---|

Add condition on Footpath

Add

[Add an Or condition](#)



Custom Parent and Child Values

Filter - Add Items



Apply

You can enter a list of identifiers to filter by. These can be separated by comma, tab, semi-colon, or new line.

61:A1.1.2
61:A1.2

Separate Parent and Child codes with a colon

Apply



Select Values



Refresh



Apply



Selected



Select values for this filter.



Search




Maintenance Contract



Establishment-Sum Est items not > 3% Sum Ro...



Contract Plans

When Child codes aren't unique, prefix them with their Parent code.
 displays just the added items.



Example Conditions

Match items added or selected

| | | | |
|-------------|----|--------------------------------|---|
| Footpath ID | in | 7742,7743,7744,7745,7746,77... | × |
|-------------|----|--------------------------------|---|

Match between dates

| | | | | |
|--------------|---|----------|--|---|
| Install Date | > | 01/07/00 | | × |
| Install Date | < | 01/07/10 | | × |

Match selected period

| | | | | |
|--------------|---------|--------------|---|---|
| Replace Date | matches | Last Quarter | ▼ | × |
|--------------|---------|--------------|---|---|

Using OR conditions

| | | | |
|----------|---|----------|---|
| Added by | = | John | × |
| or | | | |
| Added by | = | JJohnson | × |



Partial Matches

Select All partial matches using IN

Select values for this filter.

gate

×

☒

 ABBEYGATE STREET

☒

 BISHOPGATE STREET

☒

 CANONGATE STREET

→

Select [All](#) [None](#)

Add Items

Apply

↓

| | | | |
|------|----|---------------------------|---|
| Road | in | ABBEYGATE STREET, BISH... | × |
|------|----|---------------------------|---|

Partial match using LIKE

| | | |
|---------------|------|----------------------------|
| External Ref. | like | <div>we</div> <div>×</div> |
|---------------|------|----------------------------|



returns items that contain the text, such as: **External Ref.**

| |
|-------------|
| WE/00013345 |
| WE/00013347 |



Using % Wildcards



Partial match anywhere

| | | | | |
|-----------|------|-------------------------------------|---|---|
| RAMM Name | like | <input type="text" value="%PARK%"/> |  |  |
|-----------|------|-------------------------------------|---|---|

returns items that contain the text anywhere:

| |
|----------------|
| CRIMSON PARK |
| BAY PARK PLACE |
| PARK AVENUE |



Partial match beginning with text

| | | | | |
|-----------|------|------------------------------------|---|---|
| RAMM Name | like | <input type="text" value="PARK%"/> |  |  |
|-----------|------|------------------------------------|---|---|

returns items that start with the text:

| |
|---------------|
| PARKWAY DRIVE |
| PARK ROAD |



Partial match ending with text

| | | | | |
|-----------|------|------------------------------------|--|--|
| RAMM Name | like | <input type="text" value="%PARK"/> |  |  |
|-----------|------|------------------------------------|--|--|

returns items that end with the text:

| |
|----------------|
| CRIMSON PARK |
| WENTWORTH PARK |

Partial match with partial text

| | | | | |
|-----------|------|------------------------------------|---|---|
| RAMM Name | like | <input type="text" value="PA%Y%"/> |  |  |
|-----------|------|------------------------------------|---|---|

returns items that contain the text, such as:

| |
|---------------|
| PARKWAY DRIVE |
| PARITY PLACE |



Select Operator – Compare by Expression

operator



Select Operator — ✕

Select an operator to use for this filter

Compare by Expression ▼

✕

- Equal To
- Not Equal To
- Greater Than
- Greater Than or Equal To
- Less Than
- Less Than or Equal To

Use Compare by Expression to calculate or format the values to filter for. The available operators will depend on the type of column selected.





Enter Expression

enter expression



Expression — ✕


Apply

Enter the calculated column expression to compare with 

[Insert Column](#) **Test**

Calculated Column Expressions allow you to calculate values or descriptions using arithmetic and SQL Server scalar functions.

You can access columns on the current table, but you cannot not join to other tables, except for lookups which can be accessed using the `RAMM.GetLookup` function.

If any part of your expression is null, the result will be null. You can use the `isnull` function to supply a default value as you see in the **total_cost** and **full_name** examples below.

Type the expression to use in the text field.
Press [Insert Column](#) to add a column
to your expression, if you
don't know the field name.



Expression Functions

Mathematical Expressions

| Name | Example |
|---------------------|---|
| iri | <code>(naasra + 1.27) / 26.49</code> |
| percentage | <code>cast(round(benefit / (cost / 100.0), 0) as int)</code> |
| hypotenuse | <code>sqrt(power(length, 2) + power(width, 2))</code> |
| total_cost | <code>isnull(planning_cost, 0) + isnull(design_cost, 0) + isnull(implementation_cost, 0)</code> |
| culvert_area | <code>case when type = 'SQUARE' then width * length * depth when type = 'CIRCLE' then pi() * power((width / 2), 2) * depth end</code> |

String Manipulation

| Name | Example |
|------------------|---|
| full_name | <code>start_name + ' to ' + end_name</code> |

Example functions that can be used when calculating expressions are listed in the blade for reference.



Expressions Example

Current Age more than 10 years over expected life

| | | | |
|-----|---|---|---|
| Age | > | <input type="text" value="enter expression"/> | × |
|-----|---|---|---|



[Insert Column](#)



Select Column — ×

Refresh ? Help

Select a column to use in the expression.

×

Asset Life

- Layer Date
- Removed Date
- Age
- Reconstructed
- Life**
- Expiry






Expressions Example *continued*



Enter the calculated column expression to compare with Age



 **Age - Expression** — ×


Apply

Enter the calculated column expression to compare with Age



| | | | |
|-----|---|------------------|---|
| Age | > | design_life + 10 | × |
|-----|---|------------------|---|



Related Table Condition

Sign Filter

Apply Clear Auto Apply Help

Replace Date is null

Add condition on Sign Add

Add an Or condition



Sign Filter

Apply Clear Auto Apply Help

Replace Date is null

Add condition on Sign Add

Add condition on Sign

Add condition on a related item





Filter using items that have a relationship with your asset layer.



Related Table Condition *continued*



 Related Table Condition — ×


Apply

Include Signs that:

☒ have

☐ do not have

Select Table >

☐ linked.

☐ shape nearby within m.

☐ displacement overlaps.

☐ displacement within.

Apply

Add conditions using items that are, or aren't, linked, nearby, overlapping, or contained within, an asset in your list.



Select Related Table

Related Table Condition

Apply

Include Signs that:

☒ have

☐ do not have

Select Table



Select Related Table

Refresh

This lists related lookup and child tables but you can search for any other table as well.

| | |
|------------------------------------|--------|
| Assessments | Linked |
| Carriageway Sections (Carriageway) | Linked |





Select a table of related items from the list.
Use the search if the required table isn't displayed.




Select Related Table

continued



 Related Table Condition 

 Apply

Include Signs that:

☒ have

☐ do not have

Carriageway Sections (Carriageway) Linked >

☐ linked.

☐ shape nearby within m.

☐ displacement overlaps.


☐ displacement within.


Apply

Select the related item before
specifying the relationship.



Table Relationship

 Related Table Condition — ×

 Apply

Include Signs that:

- 1 ☒ have
- 2 ☐ do not have

Carriageway Sections (Carriageway)

Linked [>](#)

- 3 ☐ linked.
- 4 ☐ shape nearby within m.
- 5 ☐ displacement overlaps.
- 6 ☐ displacement within.

Select to either:

- 1 Include assets that have what you're looking for
- 2 Include assets that don't have what you're looking for

Select one to display assets where:

- 3 There is a direct link to items in the related table
- 4 They're within a specified range of items in the related table
- 5 Their shape overlaps the dimensions of items in the related table
- 6 Their shape is within the dimensions of items in the related table

Select the relationship you want
the asset and the related table to have,
and press [Apply](#).



Add Further Conditions

The screenshot shows a 'Sign Filter' window with a blue header and a dark grey toolbar. The toolbar contains an 'Apply' button, a 'Clear' button, a checked 'Auto Apply' checkbox, and a 'Help' icon. Below the toolbar, there are two filter conditions listed in a table-like structure. The first condition is 'Replace Date is not null' with a red circle '1' pointing to the 'Add' button. The second condition is 'Carriageway Section linked' with a red circle '2' pointing to the 'Add' button. A dropdown menu is open next to the second 'Add' button, showing two options: 'Add condition on Carriageway Section' (with a red circle '3' pointing to it) and 'Add condition on a related item'.

Further conditions can be added for:

- 1 the asset whose list is being filtered
- 2 the related item
- 3 another table that's related to the related item



Linked Examples

Linking Carriageway Section Hierarchy on Signs

Sign Filter

Apply

Clear

☒ Auto Apply

Help

Replace Date

is null

Add condition on Sign

Add

Carriageway Section

linked

Hierarchy

in

ARTERIAL

Add condition on Carriageway Section

Add

Linking Street Light Rating on Street Light Pole

Street Light Pole Filter

Apply

Clear

☒ Auto Apply

Help

Replace Date

is null

Add condition on Street Light Pole

Add

Street Light Rating

linked

Rating Date

<

01/02/17

Add condition on Street Light Rating


Add



Not Linked Examples


Does not have Multimedia linked

Related Table Condition—×


Apply

Include Dispatches that:

☐ have

 ☒ do not have


Multimedia


Linked 

☒ linked.





Open Dispatches Filter—×


Apply


Clear

☒ Auto Apply


Help

| | | | |
|-----------------------------|----|--|--------------|
| Call Status | in | Entered, Dispatched, On hold,... | × |
| Item Type | in | Normal, Dayworks, Risk | × |
| Add condition on Dispatch | | | Add ▼ |
| Multimedia | |  not linked | × |
| Add condition on Multimedia | | | Add ▼ |



Combine Filters

Street Light Pole missing Bracket and Light
OR
Street Light Pole with Bracket but no Light

Start with the first filter:

The screenshot shows a filter configuration window titled "Street Light Pole Filter". It has a header bar with a back arrow, the title, and close/minimize buttons. Below the header is a toolbar with "Apply" (document icon), "Clear" (X icon), "Auto Apply" (checked checkbox), and "Help" (question mark icon). The main area contains a list of filter conditions. The first condition is "Replace Date is null" with a close button (X). Below it is a separator line and a text prompt "Add condition on Street Light Pole" followed by an "Add" button with a dropdown arrow. The second condition is "Street Light Bracket not linked" with a close button (X). Below it is another separator line and a text prompt "Add condition on Street Light Bracket" followed by an "Add" button with a dropdown arrow. A dropdown menu is open from the second "Add" button, showing two options: "Add an Or condition" and "Add Or and duplicate conditions". A green arrow points to the "Add Or and duplicate conditions" option.

Add Or and duplicate conditions



Combine similar filters into one by
duplicating the conditions when
adding an OR condition



Combine Filters

continued



Edit and add further conditions as required:

Street Light Pole Filter

Apply

Clear

☒ Auto Apply

Help

| | | |
|---------------------------------------|---------------------------------------|----------------|
| Replace Date | is null | |
| Add condition on Street Light Pole | | <div>Add</div> |
| Street Light Bracket | not linked | |
| Replace Date | is null | |
| or | Add condition on Street Light Bracket | <div>Add</div> |
| Replace Date | is null | |
| Add condition on Street Light Pole | | <div>Add</div> |
| Street Light Bracket | linked | |
| Replace Date | is null | |
| Add condition on Street Light Bracket | | <div>Add</div> |
| Street Light Light | not linked Street Light Bracket | |
| Light Replace... | is null | |
| Add condition on Street Light Light | | <div>Add</div> |


Add an Or condition


Combining filters simplifies
data validation for UDTs
and assets with hierarchy



Nearby Examples

Street Light Poles nearby Intersections

 Related Table Condition — ×

 Apply


Include Street Light Poles that:


- ☒ have
- ☐ do not have


Intersections Linked >

- ☐ linked.
- ☒ shape nearby within m.




 Street Light by intersections Filter — ×

 Apply

 Clear

☒ Auto Apply

 Help

Replace Date

is null

×

Add condition on Street Light Pole

Add

▼

Intersection

within 10 m

×

Add condition on Intersection

Add

▼



Nearby Examples

continued

Pedestrian Crossings without Street Lights nearby



Related Table Condition



Include Pedestrian Crossings that:

☐ have



☒ do not have

Street Light Poles

Linked

☐ linked.

☒ shape nearby within m.



Pedestrian Crossing Filter



Apply



Clear



Auto Apply



Help

Add condition on Pedestrian Crossing Add

Street Light Pole



none within 2 m

Add condition on Street Light Pole Add



Nearby Examples

continued

STOP controlled intersections without pavement message

Related Table Condition — ×

Apply

Include Markings that:

☐ have

→ ☒ do not have

Markings

Linked >

☐ linked.

☒ shape nearby within m.



Marking Filter — ×

Apply Clear

☒ Auto Apply Help

| | | | |
|---------|----|--------------------------|--------------------|
| Type | in | STOP LIMIT LINES | × |
| | | Add condition on Marking | <div>→ Add ▾</div> |
| Marking | | none within 10 m | × |
| Type | in | STOP | × |
| | | Add condition on Marking | <div>Add ▾</div> |

Add an Or condition ▾



Overlap Examples

Locate Street Lights on Rural roads

Related Table Condition — ×

Apply

Include Street Light Poles that:

- ☒ have
- ☐ do not have

Carriageway Sections (Carriageway) Linked >

- ☐ linked.
- ☐ shape nearby within m.
- ☒ displacement overlaps.



Street Light Pole Filter — ×

Apply

Clear

☒ Auto Apply

Help


| | | |
|--|----------------------|----------------------|
| Replace Date | is null | × |
| Add condition on Street Light Pole Add ▼ | | |
| Carriageway Section | displacement overlap | × |
| Urban/Rural | in | Rural × |
| Add condition on Carriageway Section Add ▼ | | |




Overlap Examples

continued

Locate Urban roads with no kerbs

 Related Table Condition — ×

 Apply

Include Carriageway Sections that:


- ☐ have
- ☒ do not have




Surface Water Channels

Linked ➤

- ☐ linked.
- ☐ shape nearby within m.
- ☒ displacement overlaps.



 Carriageway Section Filter — ×

 Apply  Clear ☒ Auto Apply  Help

| | | | |
|--|----|-------------------------|---------------------------------|
| Urban/Rural | in | Urban | × |
| Add condition on Carriageway Section | | | Add ▼ |
| Surface Water Channel | | no displacement overlap | × |
| Add condition on Surface Water Channel | | | Add ▼ |

Add an Or condition ▼



Dispatch Examples

Dispatches not linked to assets

Open Dispatches Filter

Apply

Clear

☒ Auto Apply

Help

| | | | |
|-------------|---------|----------------------------------|---|
| Call Status | in | Entered, Dispatched, On hold,... | × |
| Item Type | in | Normal, Dayworks, Risk | × |
| Asset Type | in | Railings | × |
| Asset ID | is null | | × |

Add condition on Dispatch

Add

Add an Or condition



Dispatch Examples

continued

Open Dispatches with Open Claims

Open Dispatches Filter

Apply

Clear

☒ Auto Apply

Help

| | | | |
|-----------------------------|-------------|----------------------------------|-------|
| Call Status | in | Entered, Dispatched, On hold,... | X |
| Item Type | in | Normal, Dayworks, Risk | X |
| Add condition on Dispatch | | | Add ▼ |
| Claim Line | | linked | X |
| Claim Status | in | Open | X |
| Claim | is not null | | X |
| Add condition on Claim Line | | | Add ▼ |
| Add an Or condition ▼ | | | |

Completed Dispatches with Presented Claims

Open Dispatches Filter

Apply

Clear

☒ Auto Apply

Help

| | | | |
|-----------------------------|----|-------------------|-------|
| Contract Name | in | Signs Maintenance | X |
| Call Status | in | Complete | X |
| Add condition on Dispatch | | | Add ▼ |
| Claim Line | | linked | X |
| Claim Status | in | Presented | X |
| Add condition on Claim Line | | | Add ▼ |
| Add an Or condition ▼ | | | |



Dispatch Examples

continued

Contract-specific Dispatches with specific Account Code 2

Open Dispatches Filter

Apply

Clear

☒ Auto Apply

?

Help

| | | | |
|---------------|----|----------------------------------|---|
| Call Status | in | Entered, Dispatched, On hold,... | × |
| Item Type | in | Normal, Dayworks, Risk | × |
| Contract Name | in | Signs Maintenance | × |

Add condition on Dispatch

Add

▼

| | | | |
|---------------|----|----------------------------------|---|
| Claim Line | | linked | × |
| Contract Name | in | Signs Maintenance | × |
| Claim | in | Signs Maintenance:June 2020 | × |
| Account 2 | in | Signs Maintenance:Graffiti Re... | × |

Add condition on Claim Line

Add

▼

Add an Or condition ▼



Dispatch Examples

continued

Contract-specific Dispatches with period-specific Claim Header

Open Dispatches Filter

Apply

Clear

Auto Apply

Help

Contract Name

in

Lights

Add condition on Dispatch

Add

Claim Line

linked

Contract Name

in

Lights

Claim

in

Lights:Mar 2020, Lights:Feb 2...

Add condition on Claim Line

Add

Add an Or condition

Dispatches with a specific Action Record

Open Dispatches Filter

Apply

Clear

Auto Apply

Help

Call Status

in

Entered, Dispatched, On hold,...

Item Type

in

Normal, Dayworks, Risk

Add condition on Dispatch

Add

Action Record

linked

Action

in

Lights:Replaced lamp

Add condition on Action Record

Add

Add an Or condition



Dispatch Examples

continued

Dispatches with specific Progress Note Event Code

Open Dispatches Filter

Apply

Clear

Auto Apply

Help

Call Status

in

Entered, Dispatched, On hold,...

X

Item Type

in

Normal, Dayworks, Risk

X

Add condition on Dispatch

Add

Dispatch Progress

linked

X

Event Code

in

Claim Held

X

Dispatch Claim ID

is not null

X

Add condition on Dispatch Progress

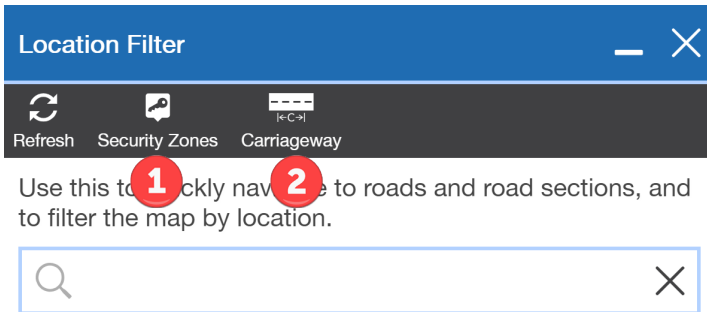
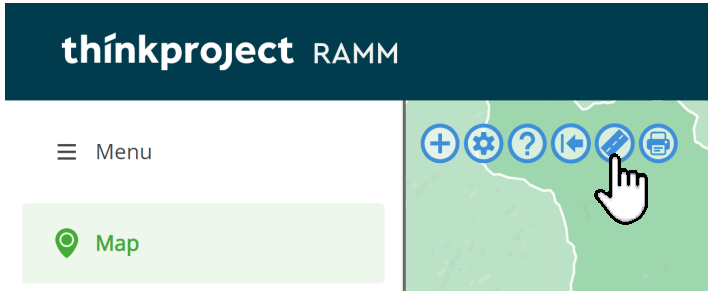
Add

Add an Or condition

41



Global Filters



- 1** Restrict assets displayed on Map and Grid by Security Zone
- 2** Restrict assets displayed on Map and Grid by Carriageway

Global filters apply to all asset, Dispatch and Inspection layers on the Map, and their associated Grids.



Security Zone Filter



Security Zones

Refresh

Apply

Use this to filter the map and location filter by security zones. Select from the list of security zones.

- ▼

☐ Entire Network
- ▼

☒ East ACME
- ▼

☐ West ACME
- ▼

☐ North ACME
- ▼

☐ South ACME

Select [All](#) [None](#)

Apply



Apply

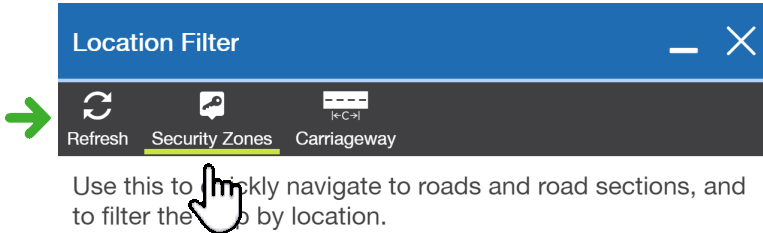
Display assets for the selected Security Zone(s) only in Map and Grid.



Security Zone Filter

continued

The tool bar button is underlined when the filter is on.



The Map button displays a filter when global filters are on.



The filter is applied to every layer on Map
and in its associated Grid.



Carriageway Filter



|<-C->|

Carriageway Section Filter

—

×

Apply

Clear

☒ Auto Apply

?

Help

Add condition on Carriageway Section



Add an Or condition



|<-C->|

Carriageway Section Filter

—

×

Apply

Clear

☒ Auto Apply

?

Help

column

operator

value

×

Add condition on Carriageway Section



Add an Or condition



|<-C->|

Carriageway Section Filter

—

×

Apply

Clear

☒ Auto Apply

?

Help

Urban/Rural

in

Urban

×

Add condition on Carriageway Section



Add an Or condition



Create filter using
Carriageway Section attributes.



Carriageway Filter

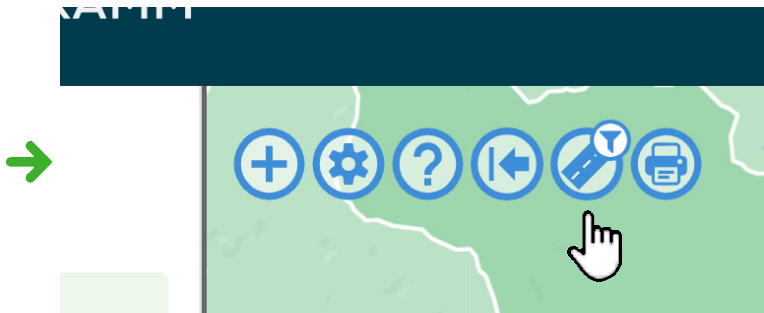
continued

The tool bar button is underlined when the filter is on.



Use this to quickly navigate to roads and road sections, and to filter the map by location.

The Map button displays a filter when global filters are on.

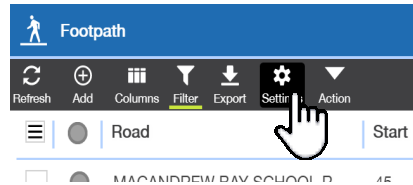


The filter is applied to every layer on Map and in its associated Grid.

Save Settings

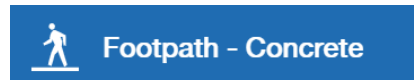
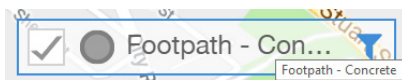
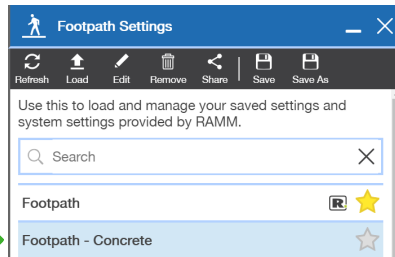
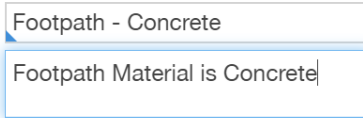


or



Description

Notes



Save your Filters and other Map and Grid configurations in Settings.

thinkproject

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