

Using RSRP Map search tool to make a buffer on a state highway

Overview

The RSRP tool allows you to make a buffer along a State Highway if you know the start and end positions using linear referencing. It has limitations.

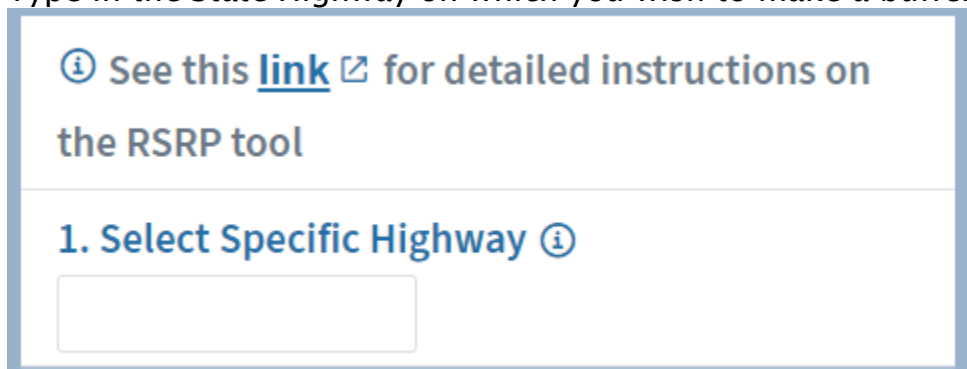
Firstly, you may only enter certain combinations of input data. They are:

1. Create a buffer at a reference station
2. Create a buffer along a reference station length
3. Create a buffer between 2 reference stations
4. Create a buffer between 2 points

Secondly, if the section of State Highway is a divided carriageway, you must specify the direction (eg. 0414-D).

Getting started

1. In the map click on the RSRP button
2. Type in the State Highway on which you wish to make a buffer.



See this [link](#) for detailed instructions on the RSRP tool

1. Select Specific Highway

3. Select the sort of buffer you wish to make.

See this [link](#) for detailed instructions on the RSRP tool

1. Select Specific Highway

014

2. Select buffer

- Please select -

See this [link](#) for detailed instructions on the RSRP tool

1. Select Specific Highway

014

2. Select buffer

- Please select -

Create buffer at a station

Create buffer along a station length

Create buffer between 2 stations

Create buffer between 2 points

Below are the instructions for making each type of buffer. To find the rules for entering valid fields please refer to Data input.

Create a buffer at a reference station

This allows you to create a buffer around a point at a reference station. It is like drawing a circle around an intersection.

1. In the Select buffer box select Create a buffer at a station.
2. In the Station name box enter the reference station number. This can also be a ramp (e.g., 0420-R1) or a roundabout (e.g., 0434-W).
3. Enter the width of the buffer in the Adjust buffer box (default is 20m).
4. Press the Run button

[See this link](#) for detailed instructions on the RSRP tool

1. Select Specific Highway

2. Select buffer

Create buffer at a station

3. Station name

4. Adjust buffer

 m

Run

Create a buffer along a reference station length

This allows you to create a buffer along the entire length of one reference station.

1. In the Select buffer box select Create buffer along a station length
2. In the Station name box enter the reference station number. This can also be a ramp (e.g., 0420-R1) or a roundabout (e.g., 0434-W).
3. Enter the width of the buffer in the Adjust buffer box (default is 20m).
4. Press the Run button.

[See this link](#) for detailed instructions on the RSRP tool

1. Select Specific Highway

2. Select buffer

Create buffer along a station length

3. Station name

4. Adjust buffer

 m

Run

Create a buffer between reference stations

This allows you to specify a buffer running from one reference station to the beginning of another reference station on the same State Highway.

Note where there is a divided carriageway you must specify either the increasing or decreasing direction.

1. In the Select buffer box select Create buffer between two stations.
2. In the Station name from box enter the name of the reference station at the beginning of the buffer.
3. In the Station name to box enter the name of the reference station at the end of the buffer.
4. Enter the width of the buffer in the Adjust buffer box (default is 20m).
5. Press the Run button.

[See this link](#) for detailed instructions on the RSRP tool

1. Select Specific Highway

2. Select buffer

Create buffer between 2 stations

3.1 Station name from

3.2 Station name to

4. Adjust buffer

 m

Run

Please Note

- a. You cannot make a single buffer that includes both dual (two-way) and divided carriageways. If you want to make a site along such a length of State Highway, make buffers for the dual carriageway and the divided carriageway, and add each buffer to the site that you are creating.
- b. You cannot make a buffer starting at an ordinary reference station and ending at the end of a ramp and roundabout. If you want to include ramps and roundabouts in a site, create a buffer for each and add them to a site.

Create a buffer between two points

This allows you to create a buffer from any point within a reference station to any point within the same or another reference station on the same State Highway. Note where there is a divided carriageway you must specify either the increasing or decreasing direction.

1. In the Select buffer box select Create buffer between 2 points.
2. Under Point from, enter the name of the reference station at the start of the buffer in the Station name box and the start route position in the Route Position box.
3. Under Point to, enter the name of the reference station at the start of the buffer in the Station name and the route position of the end of the buffer in the Route Position box.
4. Enter the width of the buffer in the Adjust buffer box (default is 20m).
5. Press the Run button.

[See this link](#) for detailed instructions on the RSRP tool

1. Select Specific Highway

2. Select buffer

Create buffer between 2 points

3.1 Point from

Station name	Route position
<input type="text" value="0015"/>	<input type="text" value="7.2"/> km

3.2 Point to

Station name	Route position
<input type="text" value="0030"/>	<input type="text" value="1.3"/> km

4. Adjust buffer

 m

Run

Please Note

- a. You cannot make a single buffer that includes both dual (two-way) and divided carriageways. If you want to make a site along such a length of State Highway, make buffers for the dual carriageway and the divided carriageway, and add each buffer to the site that you are creating.
- b. You cannot make a buffer starting at an ordinary reference station and ending at the end of a ramp and roundabout. If you want to include ramps and roundabouts in a site, create a buffer for each and add them to a site.

Data input

FIELD	VALUE	EXAMPLES	COMMENTS
State Highway	alphanumeric – up to 3 characters, zero-filled at the beginning	01N	The State Highway number
Reference station (Station name)	text field – up to 4 characters, zero-filled at the beginning. Up to 8 characters for a ramp or roundabout	0234 0434-W 0434-R2	A reference station on the SH can be limited to 4 characters, or up to 8 for a reference station or roundabout.
Route Position	numeric, allow decimals, in kms - 6 characters	5 5.6 5.64	The offset point (route position)