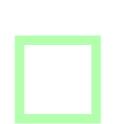




Crop Operation



Cropped Area



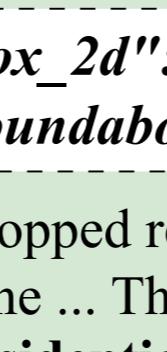
Reasoning

## Type: Relative location

What is located directly to the west of the largest roundabout?

In the global image, the largest one is situated in the western part of the residential area, near a water inlet, with multiple roads converging into it.

*I will crop the image ... at ...*



{"bbox\_2d": [197, 270, 243, 310], "label": "largest roundabout in the residential area"}

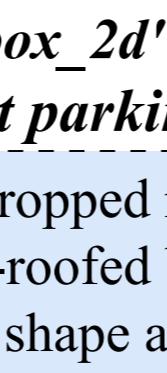
Given the cropped region, I should first determine... Then, I will examine ... The final answer is derived by ...

**Answer:** Residential Houses

## Type: Object Category Refinement

Is the top-most parking lot located next to a large white-roofed building?

The referent object is the top-most parking lot. Parking lots are identifiable by... In the global image, *the top-most parking lot is located in...*



{"bbox\_2d": [807, 0, 877, 37], "label": "top-most parking lot"}

Given the cropped region of the top-most parking lot, ...A large white-roofed building would appear as a sizable, bright rectangular shape adjacent to the lot. I need to check ...

**Answer:** Yes

## Type: Scene Type

what is the main type of area shown in this image - residential, agricultural, or industrial?

This question is asking about the main type of land use, therefore *I need to analyze the entire image without cropping*. First, I observe that the majority of the land area...

**Answer:** Residential

## Type: Existence

Is there a boat docked at any of the piers in the bottom-right dock area?

The referent object is the bottom-right dock area. By scanning the global image, *I can locate a cluster of piers extending ...*



{"bbox\_2d": [871, 755, 1023, 929], "label": "bottom-right dock area with multiple piers"}

With the cropped region of the bottom-right dock area, I need to examine...

**Answer:** No.

## Type: Object Shape

Is the largest concrete vehicle bridge straight or curved?

The referent object is the largest concrete vehicle bridge. From the global image, I can identify it as the wide, light-colored structure spanning across the water ... It is visibly larger than other...



{"bbox\_2d": [897, 488, 1023, 683], "label": "largest concrete vehicle bridge"}

To determine ..., I should closely examine the cropped image of the bridge

**Answer:** Straight

## Type: Counting

How many large bridges crossing the water are visible in the image?

This question is asking about counting large bridges crossing the water, therefore I need to *analyze the entire image without cropping*. To locate large bridges, I will scan the entire image....

**Answer:** 1