

Annotation Guidelines

Author: Eric Bianchi

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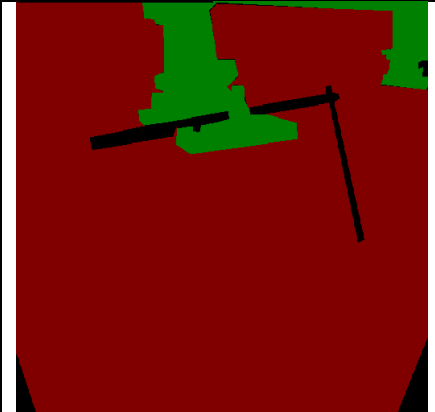
- **Notes:** Initial submission of guidelines

Note:

- It should be noted that non-primary structural material was not labeled.
- To CITE this annotation guideline please use the reference of the journal article titled *“Development of Open-source Collaborative Structural Inspection Datasets”*.

| Consideration | Image | Ground Truth Label |
|-----------------------|--|---|
| Over-exposed |  A photograph of a green-painted metal structure, possibly a bridge or industrial equipment. A red circle highlights a very bright, over-exposed area on a horizontal beam. A date stamp '2018-7-20' is visible in the bottom right corner. |  A segmented ground truth label for the first image. It shows a green region at the top, a black region in the middle, and a red region at the bottom, representing different object classes. |
| Too dim or dark |  A photograph of a white structure, possibly a wall or ceiling. A red circle highlights a dark, under-exposed area. A date stamp '01/30/2017' is visible in the bottom right corner. |  A segmented ground truth label for the second image. It shows a green region at the top and a black region at the bottom. |
| Rubble/dirt occlusion |  A photograph of a damaged structure with significant rubble and dirt occluding the view. The structure appears to be made of concrete or stone. |  A segmented ground truth label for the third image. It shows a green region at the top, a black region in the middle, and a red region at the bottom. |
| Foliage occlusion |  A photograph of a structure partially obscured by dense, dark foliage and branches. A date stamp '02-21-2019' is visible in the bottom right corner. |  A segmented ground truth label for the fourth image. It shows a green region at the top, a black region in the middle, and a red region at the bottom, with the foliage represented by black areas. |

Hammer or ruler occlusion



Non-structural metal



Secondary concrete members, i.e., sloped walls, barriers

