

3d point cloud

Road Curb Feature Detector

1) Segmentation and classification of 3d point cloud

2) Labeling of 3d points with detected class

road curb features

Road Curb Map

3) Compensation of ego motion in map

4) Update of curb position, curb directions and number of curb elements

Road Curb Extractor

5) Linking of road curb candidates to road curbs