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**Image Processing Algorithms**

Answer-3-e: Segmenting with K-Means or Mean Shift Algorithms produces nearly same result but K-Means Algorithm is faster than Mean Shift Algorithm. Segmenting with Watershed or Region Growing Algorithms also produces nearly same result. The results of Watershed or Region Growing Algorithms is better for road segmentation.

Why Watershed? Watershed algorithm performs better than the others, because roads seperate parts from each other and the flood water easily segments roads from other objects.