In this talk, I will present generalized notions of the nerve complex for the facets of a simplicial complex. The homologies of these higher nerve complexes determine the depth of the Stanley-Reisner ring $k[\Delta]$ as well as the $f$-vector and $h$-vector of $\Delta$. I will present relationships between simplicial complexes satisfying Serre’s condition ($S_\ell$) and the vanishing of reduced homologies of their higher nerve complexes. (Received August 09, 2018)