

The increasing global temperatures and sea levels, and changes in weather patterns have significant impacts on transportation infrastructure systems (e.g., roads, airports, railways, and ports). With a continued sea level rise, there will be a need for more frequent and extensive maintenance and rehabilitation of transportation infrastructure. Different studies have discussed various impacts of climate change and sea level rise on transportation infrastructure. Table 4 summarizes examples, from different literature sources reviewed, of the impacts of SLR on transportation infrastructure in different locations. With increased frequency and intensity of precipitation, transport networks will be inundated more frequently (due to nuisance flooding).