


**Table 2 (Continued).**

<b>Initiative 2b: New and Upgraded Railways</b>	
<b>Description:</b> The construction of new rail lines, or upgrades to existing rail lines	
<b>Targeted mode:</b> All traffic	<b>Geographic scope:</b> Corridor
<b>Type of initiative:</b> Infrastructure management: major improvements	<b>Primary objective:</b> Improve inadequate infrastructure/ enhance safety
<b>Expected costs and level of effort to implement:</b> Costs will vary depending on whether a project modifies existing infrastructure or involves new construction. Generally, the costs associated with this type of initiative are very high. Planning should involve public and private sectors; projects will require availability of both types of funding, given that most rail infrastructure is privately owned and operated.	
<b>Advantages:</b> <ul style="list-style-type: none"> <li>• Enhance safety</li> <li>• Facilitate multimodal freight</li> <li>• Reduce vehicle-miles traveled</li> <li>• Reduce congestion</li> <li>• Reduce infrastructure damage</li> </ul>	<b>Disadvantages:</b> <ul style="list-style-type: none"> <li>• May require very high capital investments</li> <li>• May require private-sector investments</li> <li>• Require extensive coordination and integration between stakeholders as the rail network is mainly owned by private-sector entities</li> <li>• Moderate probability for unintended consequences                             <ul style="list-style-type: none"> <li>– May impact competitiveness of alternate modes</li> </ul> </li> </ul>
<b>Examples:</b> <ul style="list-style-type: none"> <li>• CREATE Project implemented in Chicago, IL, United States (CREATE 2003)</li> <li>• Revitalizing rail freight in Wielkopolska, Slovenia (CASTLE 2009)</li> <li>• Alameda Corridor in California, United States (Alameda Corridor Transportation Authority 2013)</li> </ul>	
 <p>The map displays the rail network in the Los Angeles area. A legend indicates that green lines represent BNSF Rail Lines and red lines represent UP Rail Lines. Black squares indicate the locations of rail yards. The Alameda Corridor is highlighted as a central freight rail route connecting Los Angeles and Long Beach. Key locations shown include Los Angeles, Long Beach, the Port of Long Beach, and San Pedro Bay. The map also shows the intersection of BNSF and UP lines near Los Angeles and Long Beach.</p>	
<p>Source: Alameda Corridor Transportation Authority (ACTA) 2013</p>	
<b>Related alternatives:</b> 1. <a href="#">Ring Roads</a> ; 2. <a href="#">Freight Cluster Development (Freight Village)</a> ; 3. <a href="#">Freight Parking and Loading Zones</a> ; 4. <a href="#">Truck Stops/ Parking Outside of Metropolitan Areas</a>	
<b>References:</b> CREATE 2003; Douglas 2003; Ballis 2006; CASTLE 2009; Department for Transport 2010b	