

# Oregon Rail Crossing Action Plan Funding Prioritization Criteria



## ***Hazard Index + Route Priority + Miscellaneous***

<b>Prioritization Variable</b>	<b>Currently</b>	<b>Areas of Improvement</b>	<b>Draft Designation</b>
Hazard Index (HI)	<p>JAQUE risk analysis plays primary role in funding</p> <p>JAQUE incorporates:                      AADT (exposure)                      Passive or active devices (protective factor)                      Previous incidents (but not severity)                      Accident prediction                      Crossing characteristics (tracks, obstructions, roadway grade, curvature, speed, etc)</p>	<p>Expand HI with additional factors to account for more factors such as:</p> <ul style="list-style-type: none"> <li>Severity of previous incidents</li> <li>Multimodal exposure</li> <li>Nearby intersections</li> <li>Population radius</li> <li>Geometrics</li> <li>Changes in measures</li> </ul>	<p>Enhance JAQUE with additional variables:</p> <ul style="list-style-type: none"> <li>Change in AADT</li> <li>Population radius</li> <li>Proximity to intersection</li> </ul>
Route Priority (RP)	<p>Captured only in site discussion or staff review</p>	<p>Include route designation as an equation variable</p>	<p>Incorporate:</p> <ul style="list-style-type: none"> <li>Freight routes</li> <li>Bus routes</li> <li>Bicycle routes</li> </ul>
Miscellaneous (MI)	<p>Consider previous improvements                      Multimodal facilities considered in design phase, not selection</p>	<p>Add leverage as factor                      Consider device characteristics                      Incorporate Opportunity funds</p>	<p>Incorporate:</p> <ul style="list-style-type: none"> <li>Leverage factor</li> <li>Current device &amp; relevant technology improvement options</li> <li>Available improvement options</li> </ul>