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**SLORRM Railroad Merit Badge Checklist**

**Items printed in green are prerequisites and should be completed before the class.**

* 1a. Name three types of modern freight trains. Explain why unit trains are more efficient than mixed freight trains.
* 1b. Name one class 1 or regional Railroad.
* 1c. Name 10 types of railroad freight or passenger cars.
* 2a. Explain the purpose and formation of Amtrak and plan a 500-mile trip between two stations on the Amtrak Coast Starlight route.
* 2b. List and explain the various forms of public/mass transit using rail as the fixed-guide path.
* 3d. Interview someone in rail industry. Learn what that person does and how this person became interested in railroading.
* 4. Explain the purpose of Operation Lifesaver and its mission.
* 5d. Explain the guidelines for conduct that should be followed when you are near or on a railroad property. Explain the dangers of trespassing on railroad property.
* 5f. Tell how to report a malfunction of grade crossing warning sign.
* 5g. List safety precautions a pedestrian should follow at a public crossing.
* 6. Explain the appearance and meaning of the following warning signs. Advanced warning signs, pavement markings, cross bucks, flashing red lights, and crossing gates.
* 7a. Explain how railroad signals operate and show two basic signals types using color and configuration.
* 7b. Explain the meaning of three whistle signals.
* 7c. Describe a way to signal a train for an emergency stop.
* 7d. Explain the use and function of the EOTD (end of train device) or FRED (flashing rear end device) used on the last car of most trains.
* 8a2. Build one model railroad car kit or one locomotive kit.
* 8a3. Name the scale of four popular model railroad gauges. Identify the scale of four model cars or locomotives.

**Prerequisites Operation Lifesaver Museum**