

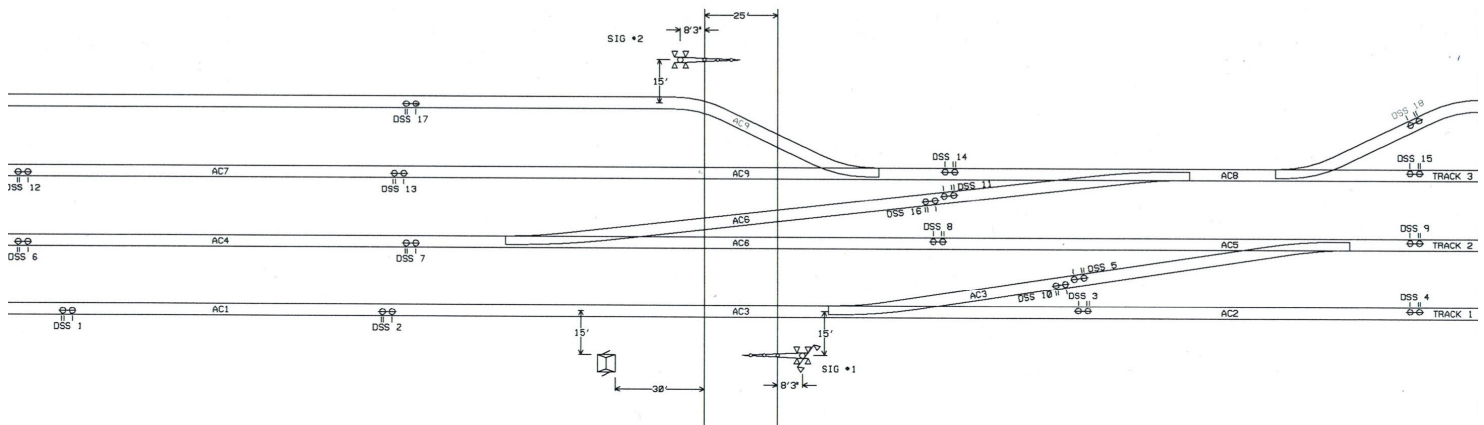
Axle Counting Flexibility



Axle counting technology is the ideal solution for complex track layouts. This vital technology also offers some very useful “specialized functions” such as:

- A time-out function that restores a grade crossing to standby status when on-track equipment stops or cars are stored in a grade crossing approach.
- A three-axle back function, which detects when a train stops and reverses direction away from a grade crossing, restoring the crossing to standby status.
- A variety of fail-safe functions, which ensure vitality and prevent activation failures, including monitoring of cables and relay functions as well as extensive redundancy to guarantee the highest level of safety.

Consider this complex grade-crossing in Texas:



Now, imagine implementing a crossing system using traditional methods, such as predictors, DC track circuits, or AC-DC methods. How would one manage the complex infrastructure, particularly in this environment where a busy crossing intersects with yard and switching operations and in which trains regularly stop in approach circuits or in which cars are staged within the boundaries of the grade crossing system. How would one manage the maintenance associated with other methods, such as bonds, insulated joints, switch circuit controllers, fouling wires, or the like?

Axle counting methods are ideal for complex crossing configurations or locations where shunting sensitivity issues or complex train movements prove problematic. Pintsch North America can provide custom-designed signal solutions for any type of complex crossing configuration. We also offer turn-key construction and installation services.

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