



WARNING DEVICE MODERNIZATION

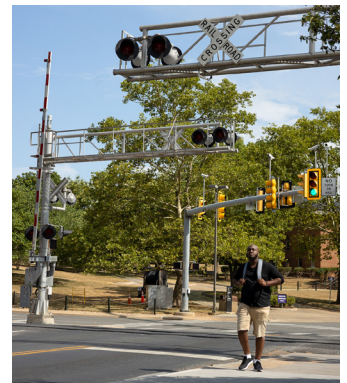
Use FHWA Section 130 funds for latest digital technologies to make railway-highway crossings safer

Siemens helps identify opportunities to replace functionally obsolete grade crossing systems as outlined by new Infrastructure Investment and Jobs Act. usa.siemens.com/mobility

Now is the time to take advantage of Federal Highway Administration (FHWA) funding to replace any obsolete safety technology at your railway-highway grade crossings. Section 11108 of the new Infrastructure Investment and Jobs Act (PL 117-58) updates the Railway-Highway Crossing Safety Program (known as Section 130) to clarify that federal funds can be used to replace functionally obsolete warning devices, and that states can be reimbursed for 100% of the cost of installation.

Fatalities at railway-highway crossings have decreased by 58% since Section 130 was launched in 1987. Congress makes it clear through the new act that it wants railroads and states to make these crossings even safer by replacing obsolete equipment with new digital technology.

As the FHWA works to implement the new law, Siemens Mobility experts are ready to help the administration, states and railroads. We can help you identify functionally obsolete equipment that is eligible for federally funded replacement. Systems are considered functionally obsolete when they are no longer manufactured, supported or have been replaced with technologically advanced equipment. As the leader in providing railway equipment, you can rely on Siemens Mobility expertise.



Leveraging digital advancements provides greater availability, redundancy and reliability than existing out-of-date mechanical grade crossing systems.

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Defining functional obsolescence is essential

Clearly defining functionally obsolete equipment will be essential to successful implementation of the law. Based on our experience as the manufacturer of the majority of warning device products deployed across the U.S. rail network, we offer the following recommendations.

Crossing equipment should be considered technologically obsolete whenever:

- The product is not available in the market anymore due to the manufacturer ceasing production and support of the product due to:
 - Parts required to manufacture the product are not available in the market anymore.
This situation prevents the manufacturer from manufacturing new products or repairing the product due to the lack of critical parts.
 - When market demand no longer warrants commercial production.
- Products have been introduced to the market that include technological innovations that offer new features that improve performance and/or usability.

Functionally Obsolete Siemens Mobility Products

Product	Model Number
Motion Sensor 350	6A350
Motion Sensor 500 / 550	A62500 / A62550
Motion Sensor 525	A62525
Motion Sensor 585 / 590	A62585 / A62590
Motion Sensor 2000	80080 / 80090
Non-Vital Motion Sensor 570 – DTC Application	A62570
Motion Sensor 600	A62600
Grade Crossing Predictor Model 300	8A300
Grade Crossing Predictor Model 400	8A400
Grade Crossing Predictor Model 600	62600
Grade Crossing Predictor Model 660	3A62660
Grade Crossing Predictor Model 3000	3000 / 3000D2 / 3008 / 3008D2 / 3000ND / 3000ND2
Mechanical Crossing Bells	040400
Crossing Cantilevers not meeting OSHA requirements	W Series, WNR Series, WT Series
Shunts not meeting IP68 water ingress standard	62775
Color lights CLS-10	042610
Wayside Signal Platforms not meeting OSHA	
QRN Wayside Signal Cantilever not meeting OSHA	
Wayside Signal Bridges not meeting OSHA	
Crossing Controller	
SSCCII	90980 A / 90990 A
SSCC–TC	91070 A / 91075 A
Recorder	
SEA/R (also referred to as SEAR I)	80250
SENTRI	91010 A
SENTRI PLUS	91015 A
Track Circuit (used in Crossing Applications)	
SMTc	71010
SRTC*	6A380, 7A380 and 7A180-1 Modules
MRTC*	6A380-1, 7A380-1 and 7A180-1 Modules
<i>*SRTC and MRTC systems share 6A393, 7A390 and 7A186 cabinets</i>	
SOTc	7A191
PSO I XMTR	7A300
PSO I RCVR	7A305
PSO II XMTR	7A400
PSO II RCVR	7A405
PSO II Crossing System	7A408
PSO III XMTR	7A439
PSO III RCVR	7A438
PSO III Crossing System	7A448
Data Radios	
SSR (Spread Spectrum Radio), Analog 900 MHz	A53301 / A53308

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