Performance Standards Track Technical Bulletins

Description: Inspection of Conley Lift Rails

Objective	Performance Standard	Reference Sources
To ensure a common understanding that promotes the uniform interpretation and application of the contents of this technical bulletin. All Federal and State inspectors will understand and implement the conclusions itemized in this technical bulletin.	Inspectors shall exhibit a comprehensive understanding of this objective by accurately implementing the following interpretations: 1. Inspectors must use judgement in evaluating the safety of a Conley lift rail assembly. Although cracks are known to propogate slowly, cracks can be more hazardous under certain bridge conditions such as a deteriorated deck. Inspectors are cautioned against citing Section 213.113, Defective rails, to describe cracks in the manganese casting running surface of the Conley lift rail appliance. 2. Specific concerns about the safety of a Conley lift rail installation must be immediately brought to the attention of appropriate	Reference Sources Technical Bulletin T-95-01 Track Enforcement Manual Regional Track Specialists Track Inspectors Railroad Maintenance Personnel
	railroad management and discussed with the Regional Track Specialist.	

Comments:

Description: Inspection of Movable Point Frogs

and Tangential Geometry

Turnouts

Objective	Performance Standard	Reference Sources
To ensure a common understanding that promotes the uniform interpretation and application of the contents of this technical bulletin. All Federal and State inspectors will understand and implement the conclusions itemized in this technical bulletin.	Inspectors shall exhibit a comprehensive understanding of this objective by accurately implementing the following interpretations: 1. Tangential geometry switches must be inspected in the same manner as conventional switches. 2. Bolting or fastener designs which fasten the movable point frog to concrete or timber switch ties are considered fasteners. Bolts that connect movable frog components together are considered frog bolts. 3. Inspectors must be aware that rails in movable frogs may contain defects under Section 213.113.	Technical Bulletin T-95-02 Track Enforcement Manual Regional Track Specialists Track Inspectors Railroad Maintenance Personnel

Comments:

Description: Determination of Designated

Elevation and Application of Measurements in Curves, 213.63.

Objective	Performance Standard	Reference Sources
To ensure a common understanding that promotes the uniform interpretation and application of the contents of this technical bulletin.	Inspectors shall exhibit a comprehensive understanding of this objective by accurately implementing the following interpretations:	Technical Bulletin T-95-03 Track Enforcement Manual Regional Track Specialists Track Inspectors Railroad Maintenance Personnel
All Federal and State inspectors will understand and implement the conclusions itemized in this technical bulletin.	Designated elevation is derived by averaging a sufficient number of points on the curve. Section 213.63 indicates the permissible deviation from the designated elevation.	

Comments:

Description: Measurement of Track Heave,

Section 213.63 Profile

Objective	Performance Standard	Reference Sources
To ensure a common understanding that promotes the uniform interpretation and application of the contents of this technical bulletin.	Inspectors shall exhibit a comprehensive understanding of this objective by accurately implementing the following interpretations:	Technical Bulletin T-95-04; Track Enforcement Manual; Frack Specialists Required/ Track Inspectors Railroad Maintenance Personnel
All Federal and State inspectors will understand and implement the conclusions itemized in this technical bulletin.	A recommended method to determine the deviation from uniform profile for a track heave is to place two blocks of equal height, each at a position 31 feet from the highest point on the heave, and then stretch a 62-ft chord between the blocks. The deviation from uniform profile is calculated by subtracting the distance from the string to the top of the rail at the heave from the height of the blocks. An alternative method where the grade is not a	
	factor is to use a string level to extend a horizontal line from the heave. Measure from the string to the top of the rail to determine the deviation from uniform profile.	

Comments:

Description: Frog Guard Rails - Cracks or

Breaks and Spiking Requirements,

213.133, Turnouts and Track

Crossings, Generally

Objective	Performance Standard	Reference Sources
To ensure a common understanding that promotes the uniform interpretation and application of the contents of this technical bulletin.	Inspectors shall exhibit a comprehensive understanding of this objective by accurately implementing the following	Technical Bulletin T-95-04; Track Enforcement Manual; Track Specialists Regions/ Track Inspectors Railroad Maintenance Personnel
All Federal and State inspectors will understand and implement the conclusions itemized in this technical bulletin.	interpretations: 1. Cracked or broken guard rails will be cited using the defect code, 143.03, "Cracked or broken guard rails opposite frog."	AREA Manual
	2. The gage side of the running rail through the guard rail area is not required to be spiked unless an unsafe condition is found such as where the running rail has moved in CWR. If an unsafe condition is found, the inspector should use defect code 127.01, "Insufficient fasteners" to address the problem.	

Comments:

Description: Camp Car Conditions Affecting

Rest, Title 49 U.S.C. 21106(10),

Hours of Service Laws

Objective	Performance Standard	Reference/Tools
To ensure a common understanding that promotes the uniform interpretation and application of the contents of this technical bulletin. All Federal and State inspectors will understand and implement the conclusions itemized in this technical bulletin.	Inspectors shall exhibit a comprehensive understanding of this objective by accurately implementing the following interpretations: In enforcing the guidelines of Appendix C, inspectors must clearly show that the camp car conditions interfere with the ordinary person's ability to obtain rest. The term "rest" is the essential criterion for the determination if a condition is in compliance with Appendix C.	Technical Bulletin T-95-04; Track Enforcement Manual; Track Specialists Fegion- Track Inspectors Railroad Maintenance Personnel AREA Manual

Comments:

Description: Non-Class Specific Track

Conditions.

Objective	Performance Standard	Reference Sources
To ensure a common	Inspectors shall exhibit a	Technical Bulletin T-95-09
understanding that	comprehensive	Track Enforcement Manual
promotes the uniform	understanding of this	Regional Track Specialists
interpretation and	objective by accurately	Track Inspectors
application of the	implementing the following	Railroad Maintenance
contents of this technical	interpretations:	Personnel
bulletin.		
	1. FRA inspectors should	
All Federal and State	record all non-complying	
inspectors will	conditions found.	
understand and		
implement the	2. The FRA inspector	
conclusions itemized in	should evaluate the	
this technical bulletin.	remedial action taken by	
	the carrier.	
	3. If the railroad does not	
	institue an appropriate	
	remedial action, the	
	inspector should consider	
	recommending a violation.	
	4. In all cases, if no	
	appropriate action was	
	taken by the carrier within	
	a 30-day period, the	
	inspector should consider	
	appropriate enforcement	
	tools.	
	l .	1

Comments:

Description: Methods of Measurement to **Determine Compliance with** Section 213.137 Frogs and Section 213.241 Self-Guarded Frogs

Objective	Performance Standard	Reference Sources
To ensure a common understanding that promotes the uniform interpretation and application of the contents of this technical bulletin. All Federal and State inspectors will understand and implement the conclusions itemized in	Inspectors shall exhibit a comprehensive understanding of this objective by accurately implementing the following interpretations: 1. Frog tread wear may be measured using a straight edge to establish a "plane cross the wheel-bearing area of a frog.	Technical Bulletin T-95-10 Track Enforcement Manual Regional Track Specialists Track Inspectors Railroad Maintenance Personnel
this technical bulletin.	2. Vertical frog point wear may be measured using a straight edge across the frog.	
	3. Flangeway depth may be measured using a straight edge across the frog. Inspectors must deduct wear on the point and tread from this measurement.	

Wear on the guarded face of a self-guarded frog may	
be measured by taking	
thickness measurements at	
both worn and unworn	
locations by calculating the	w.
amount of wear.	
Wear may also be checked	
by measuring from the gage	
line to the guarding face. A	
third method uses a frog	
check gage.	

Comments:

Description: Evaluation of Switch Point Thow

and Switch Heel Bolting

Arrangement, Section 213.135,

Switches

Objective	Performance Standard	Reference Sources
To ensure a common understanding that promotes the uniform	Inspectors shall exhibit a comprehensive understanding of this	Technical Bulletin T-95-11; Track Enforcement Manual;
interpretation and	objective by accurately	Track Specialists
application of the contents	implementing the following	Track Inspectors
of this technical bulletin.	interpretations:	Railroad Maintenance
		Personnel
All Federal and State	1. A switch point throw that	
inspectors will understand	varies from the designed	
and implement the	range of throw may or may	
conclusions itemized in this	not be indicative of an	
technical bulletin.	unsafe switch condition.	
	The amount of throw is one	
	of the many factors which	
	must be taken into	
	consideraton when	
	determing the carriers	
	compliance with Section	
	213.133 and 213.135.	
	2. At least two tight bolts in	
	each rail are required to	
Ì	insure that the heel of each	
	switch rail is "secure" for	
	purposes of determing	:
<u> </u>	compliance with Section	
1	213.135(d). One tight bolt	
	in each rail end for Class 1	
	track is not sufficient to	
	maintain the security of the	
	heel joint. The bolts are not	
	required to be over-	
	tightened which may affect	
	the operation of the switch.	

T-95-11 (Continued)

Comments: