

BRIDGE POSTINGS: Where DO They Come from and What Can I DO?

Question Asked	Answer Given
What is the difference between the inventory rating and the operating rating? Which RF rating is it that we are discussing currently?	inventory is the load a bridge can carry indefinitely. Operating is the absolute maximum load that it can carry occasionally
Could you explain the difference between an RF rating and a HS rating?	state has their own policy on what vehicles are used for postings. So it is just indicating what vehicle was used in the model.
Thanks, guys	
20000	
Are PDHs available for attendees?	yes a certificate of training will be issued after the training. if you registered and signed in
Good Morning, looks like the chat isn't available to attendees.	
Thank you!	
thanks for a great presentation...	
thanks	
Do you consider time in calculating posting. As an example, this posting is good for 1 year, or until the next inspection?	
Doesn't caltrans use Type 3, 3S2 and 3-3 trucks for load ratings and not the design vehicle HL-93?	load rating trucks are typical truck with load and axial configurations and any special vehicles that are regularly occurring in the state.
Topic proposal: Digital Twin	
60,000	
carl.gao@seattle.gov	
Is there any way to get the GPS map companies to flag bridges that have weight restrictions?	Good question. Not that I have found, but we'll discuss it again.
1/3 of total	
60,000 load posted rough estimate	
Will the certificate be sent to the email used to register? Or do we need to send it here?	to the registered email
The chat window doesn't have an input to allow us to type	we will address this for future meetings
Butchered my last name??	
please add me to your mailing list	it is there
Elaine Huber	
Elaine.Huber@Cityofvancouver.us	
great training...thank you!	
Will this meeting recording be shared?	https://www.pavementpreservation.org/video_library/bridge/Local_Agencies_(Sorted).html
Do any states have guidance on pedestrian load postings?	bridges will have signs that say no standing or congrigating. This could be due to load or other civic issues.
something to add to your slides next time... https://www.reddit.com/r/calvinandhobbes/comments/14kbe41/load_limits_on_bridges/	

Thank you gentlemen! Great information!	
will these slides be available?	see chat for link
there's no link	https://www.pavementpreservation.org/video_library/bridge/Local_Agencies_(Sorted).html
Thankyou	
Excellent training. Thank you. Travis, great info on how loads actually transfer, materials, and fixes. Very informative!	
On the slide with the permanent shoring, how does that affect the shear loading of the beams? Were they prestressed that there may not be adequate stirrups or was it steel and shear capacity is relatively unchanged?	You are correct. The designer should consider the location that he is moving the support and the adequacy of the girder and other components of the bridge to act in this configuration.
I'm gonna guess 2480 bridges, but I have no idea how many bridges are in the NBIS, so this is a completely random guess	
Is the design capacity of the bridge available information on the plans for the bridge? If not, where can this information be found?	Generally, design plans do not show a load rating capacity. The load rating is generally available in bridge inspection reports.
The Epoxy was Hilti brand.	
THANK YOU! This was very informative!	
50,000	
Can you request an extension on the 30-day posting requirement when working through complex solutions?	
Please add me to the contact list for future trainings: Neva Popenoe npopenoe@fresnocountyca.gov	
For PPC Beams, IDOT does not allow FRP or Concrete patching repair to be included in LR calculations. Any exposed strands even if patched, are not included in the LR calculations.	Yes, a lot of Agencies have their own guidance on options for repairing/strengthening girders. I'd always suggest engaging with the bridge designers for any of these options.
design plans show max allow for future wearing.	
150k	
we can't type in the chat window	
only the question window	
we can see chat	
just not type :)	Awesome. Thank you
guardrail systems!	
Legal Loads vs Design Loads in context of load rating?	
Do trucks seek for permit to pass through a posted bridge or is it on the driver to know it and make a independent judgement?	a posted bridge. I could see that a vehicle exceeding the posted limits would be allowed in an emergency situation on a case-by-case basis. The rating would have to valadate the bridge would carry the load safely.
Thank you for the elaborate answer and the info about the technology Arkansas DOT employs.	

50%	
Thanks!	
15,000	
Why would a bridge in good condition have a posted ton limit? Wasn't designed to be strong enough?	Bridge posting is based on loads that the bridge can carry (estimate) You can have a good bridge that is posted due to the design that was used.
thank you	
what was the red epoxy in the last slide?	epoxy would need to develop sufficient strength to maintain the bond between the concrete and the bar. Generally, the bar supplier, if using a system, will have or recommend a product. If using bars that were sourced through others, this would be something that the designer would need to evaluate
75% of bridges	
42067	
"@ Stewart, that bridge in your background is a couple of miles from me."	ArDOT assistant heavy bridge engineer. it was my crews that inspected and maintained it in conjunction with the District.
Are you seeing any strength from the epoxy itself?	the epoxy would not generally be considered as increasing strength. the bars are the design strengthening. the epoxy will have design strength of bond and ability to make the bars composite
I think it is important to mention that the signs should be installed to MUTCD guidance.	Yes MUTCD is regulations
Since timber piles can deteriorate from the inside-out, are there any inspection practices to better assess the condition of piles when the exterior may still look okay?	hammer to listen to see if they are hollow. They will also drill the pile to find the rot. There are specialty resistnace drills that actually measure the resistance as the drill bit advances.

Is the current RF is 1.30