

**Highway Construction Factors Group Attachment 15  
AASHTO Survey on Bridge Design Peer Reviews and  
Construction Loading**

(Number of pages including this cover sheet – 1)

Email Address	Identify Your Member Department	For specialized bridges/long span bridges/signature bridges, how does your state review these designs and contract plans?	For specialized bridges/long span bridges/signature bridges, how does your state review these designs and contract plans? : OtherText	Does your state have procedures in place for the review of construction loads including loads from stockpiled materials and construction equipment?	Does your state have procedures in place for the review of construction loads including loads from stockpiled materials and construction equipment? : CommentText
Blackj@dot.state.al.us	Alabama	Detailed Review by In-house Staff		Yes - describe those procedures	They are not allowed on the bridge until the contractor submits Stamped calculations and drawings that are reviewed by the Bridge Bureau
richard.pratt@alaska.gov	Alaska	Detailed Review by In-house Staff		Yes - describe those procedures	No overloads allowed on bridges -- Contractor requests submitted to Bridge Section for review.
jnehme@azdot.gov phil.brand@arkansashighways.com kevin.thompson@dot.ca.gov	Arizona Arkansas California	Rely on Independent Peer Review Minimal Review by In-house Staff Detailed Review by In-house Staff		No No Yes - describe those procedures	For construction equipment, must meet vehicle code. A table of permissible axle loads for various girder spacings is provided (earthmovers). The contractor may also request redesign to accommodate construction loads and incur additional cost.
mark.leonard@dot.state.co.us	Colorado	Rely on Independent Peer Review	3)Not currently used though would consider its selective use. 4)Can include in-house staff.	No	6) POA's typically only involve monitoring during high water events. A specification is being developed
julie.georges@po.state.ct.us jiten.soneji@state.de.us	Connecticut Delaware	Detailed Review by In-house Staff Other	On occasion, we also do peer reviews Detailed Review by In-house Staff & Independent Peer Review	No No	
robert.robertson2@dot.state.fl.us	Florida	Rely on Independent Peer Review		Yes - describe those procedures	Contractor erection plans with PE signature for evaluation of loadings Construction loads are sent to the Bridge Design Office for review and approval.
paul.liles@dot.state.ga.us	Georgia	Detailed Review by In-house Staff		Yes - describe those procedures	
paul.santo@hawaii.gov matt.farrar@itd.idaho.gov	Hawaii Idaho	Minimal Review by In-house Staff Other	Idaho would conduct an detailed constructability review and rely on Independent Peer Review	No Yes - describe those procedures	In general, construction formwork and falsework must be submitted for review and approval including construction equipment, we have not allowed stockpiled material other than some formwork Letter to construction personnel and all bridge designers. Work with contractors' association and consulting engineers' association on having licensed Structural Engineers' reviewing demolition plans and the contractors' means and methods.
Ralph.Anderson@illinois.gov	Illinois	Rely on Independent Peer Review	Minimal Reviews during the Design Process	Yes - describe those procedures	
arearick@indot.in.gov norman.mcdonald@dot.iowa.gov	Indiana Iowa	Other	in-house and consultant review In house staff works closely with consultants to establish design criteria & guidelines and resolve design issues. Prior to letting, a cursory review is performed in-house to insure plans comply with IA DOT policies, are biddable & constructible.	No Yes - describe those procedures	we are currently developing requirements See Method's Memo 183, located in the commentary, at <a href="ftp://165.206.203.34/dotmain/bridges/policy/552CWPGlrfdCJa08.pdf">ftp://165.206.203.34/dotmain/bridges/policy/552CWPGlrfdCJa08.pdf</a> ,
norman.mcdonald@dot.state.gov	Iowa	Other	We work closely with consultants to establish des. criteria & guidelines, resolve des. issues, & perform a cursory & quality control review of plans to insure compliance with policies. If signature brgs involved we may require independent peer review	Yes - describe those procedures	See Methods Memo 183 located in commentary at <a href="ftp://165.206.203/dotmain/bridges/policy/552CWPGlrfdCJa08.pdf">ftp://165.206.203/dotmain/bridges/policy/552CWPGlrfdCJa08.pdf</a>
kenh@ksdot.org rhealy@sha.state.md.us	Kansas Maryland	Detailed Review by In-house Staff Other	For these special bridges, we would typically perform both a detailed in-house review, and an independent peer review by another consultant.	Yes - describe those procedures Yes - describe those procedures	Specs, Plan Notes, Br Constr Manual Contractor would be required to submit for approval, including pertinent calculations, all proposed construction loads. We would typically not allow significant stockpiled materials.
Becks2@michigan.gov kevin.western@dot.state.mn.us	Michigan Minnesota	Minimal Review by In-house Staff Other	Detailed review by in-house staff or consultant	No Yes - describe those procedures	Operation and storage of equipment is required to follow truck size and weight statutes.
mcarr@mdot.state.ms.us Dennis.Heckman@modot.mo.gov	Mississippi Missouri	Minimal Review by In-house Staff Minimal Review by In-house Staff		No Yes - describe those procedures	Stockpiling of raw materials (sand, gravel, etc.) is not allowed. Any construction equipment heavier than legal loads would be analyzed similar to an overload permit. Specification requiring analysis and Stamp Procedure is minimal. Memorandum to Resident Engineers.
kbarnes@mt.gov melicegui@dot.state.nv.us	Montana Nevada	Minimal Review by In-house Staff Rely on Independent Peer Review		Yes - describe those procedures Yes - describe those procedures	
mrichardson@dot.state.nh.us richard.dunne@dot.state.nj.us	New Hampshire New Jersey	Detailed Review by In-house Staff Rely on Independent Peer Review		No Yes - describe those procedures	Designer must provide for a proposed method of construction & in that method they must analyze all construction loads
jimmy.camp@state.nm.us gchristian@dot.state.ny.us	New Mexico New York	Minimal Review by In-house Staff Detailed Review by In-house Staff	some bridges will also get independent peer review	No Yes - describe those procedures	LRFD is followed for considering erection and construction loadings. Engineer in Charge is authorized to prohibit stockpiling of material.
lschwart@nd.gov tmacioce@state.pa.us	North Dakota Pennsylvania	Detailed Review by In-house Staff Other	PennDOT performs a detailed review by in-house staff as well as hiring a review consultant to assist with the review. We have two review levels. One is a detailed review for complex bridges and the other review is for conventional bridges.	No Yes - describe those procedures	The contractor is required to submit the erection plans and demolition plans prepared by a registered Professional Engineer. Erection plans must address loads, stresses, and stability, traffic loads and construction operations and equipment. See Subsection 702.4.6 of the SCDOT Standard Specifications ( <a href="http://www.scdot.org/doing/StandardSpecifications/pdfs/2007_full_specbook.pdf">http://www.scdot.org/doing/StandardSpecifications/pdfs/2007_full_specbook.pdf</a> )
bowersbw@scdot.org	South Carolina	Other	Independent Peer Review and Minimal Review by In-house Staff	Yes - describe those procedures	Live loads (construction or other) are handled the same as for any bridge on the state system - Only legal loads are allowed without permit. Stockpile material loads are not allowed without prior request and analysis. Use of vehicles exceeding legal loads or stack piling of materials would have to be evaluated by the Structures Division.
kevin.goeden@state.sd.us	South Dakota	Detailed Review by In-house Staff		No	State Const specs Article 7.8 and SP007-445 cover heavy loads & stockpiling mat'ls. Bridge Division reviews calcs and makes recommendations.
ed.wasserman@state.tn.us	Tennessee	Minimal Review by In-house Staff		Yes - describe those procedures	
WRCOX@dot.state.tx.us	Texas	Detailed Review by In-house Staff		Yes - describe those procedures	
richardmiller@utah.gov wayne.symonds@state.vt.us julius.volgyi@vdot.virginia.gov	Utah Vermont Virginia	Minimal Review by In-house Staff Detailed Review by In-house Staff Minimal Review by In-house Staff		No No Yes - describe those procedures	Review design calcs. (PE stamped) submitted by Contractor.
khalegb@wsdot.wa.gov	Washington	Detailed Review by In-house Staff		Yes - describe those procedures	Loads from deck forming, screeding equipments and others as applicable
scot.becker@dot.state.wi.us gregg.fredrick@dot.state.wy.us	Wisconsin Wyoming	Other Minimal Review by In-house Staff	Both minimal and Independent	No No	