



Code Amendment Proposal Application **OSSC 22-21**

Department of Consumer & Business Services
Building Codes Division
1535 Edgewater NW, Salem, Oregon
Mailing address: P.O. Box 14470, Salem, OR 97309-0404
Phone: 503-378-4133, Fax: 503-378-2322
Oregon.gov/bcd

APPLICANT INFORMATION

Name:	Dusty Andrews
Representing:	Structural Engineers Association of Oregon
Email address:	jane@seao.org

PROPOSAL INFORMATION

Specialty code:	Oregon Structural Specialty Code (OSSC)
Code section(s):	IEBC 405.2.1

Briefly explain the subject of your proposal:	The proposal clarifies repairs for less than substantial structural damage.
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Code Review Committee Outcomes

Jan. 4, 2022 – [Approved as modified.](#)



STRUCTURAL ENGINEERS ASSOCIATION OF OREGON

9220 SW Barbur Blvd, #119, PMB #336, Portland, OR 97219

503.753.3075

www.seao.org • E-mail: jane@seao.org

PART I – CODE AMENDMENT LANGUAGE

You must provide exact language for your code proposal. Failure to provide language will invalidate the application. Include all code sections that require changes and use the following format to show additions and deletions from the code — strikethrough for deleted text and underline and bold for new text.

Note: Where applicable, the proposed code language should show how the existing Oregon amendments will integrate with the base model code or if the proposal is rescinding an existing Oregon amendment. Any modification to the new model code should note or reflect any current Oregon amendments related to this language.

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3404.3 IEBC Structural, Section 405. The following provisions replace the indicated sections in the IEBC.

IEBC 405.2.1 Repairs for less than substantial structural damage. Unless otherwise required by this section, for damage less than substantial structural damage, the damaged structural elements shall ~~comply with the requirements of the Building Code~~ be permitted to be restored to their predamage condition, unless such existing conditions are dangerous as defined by chapter 2.

PART II – CODE AMENDMENT PROPOSAL REQUIREMENTS

Generally, proposals should only suggest amending the technical and scientific matters within the scope of the specialty code. Administrative matters are adopted and amended to align with statutes and rules governing the state building code.

Those administrative matters not regulated by a specialty code, include, but are not limited to:

- Licensing or certification requirements, or other qualifications and standards for businesses or workers;
- Structure or equipment maintenance requirements;
- Matters that conflict with federal or state law; and,
- Matters that conflict with other specialty codes or publications adopted by the division.

Review the statutes and rules governing the state building code and ensure that your proposal is enforceable by the specialty code for which you are proposing an amendment.

PART III – CODE AMENDMENT PROPOSAL CRITERIA

Code amendment proposals must conform to the requirements in ORS 455.020, ORS 455.030, ORS 455.110, and OAR 918-008-0060. All proposals must provide justification and the particular circumstances requiring the amendments. View the proposal criteria on page 3 of this application.

Code Amendment Proposal Criteria

Proposal

1. Describe the concept and purpose of this proposal.

The proposal clarifies repairs for less than substantial structural damage that more closely matches the model code language and is similar with previous OSSC requirements.

2. What problem in the existing Oregon code or national model code is this proposal solving? How does this amendment address the issue? If you have evidence demonstrating the problem, submit that information.
 - a) If this proposal corrects any unforeseen or probable outcomes resulting from the application of a code section, explain how.
 - b) If this proposal corrects inadequate application by a code section to a method, material or design, explain how.
 - c) If this proposal eliminates conflicting, obsolete, or duplicative code provisions or standards between Oregon-adopted codes, statutes or regulations, explain why.
 - d) If this proposal is for a fire or life safety matter, or is it otherwise needed to protect the health, safety, welfare, comfort and security of occupants and the public, explain why.
 - e) If this proposal is necessary to address unique geographic or climatic conditions within Oregon, explain why.
 - f) If there are alternatives to this proposal that solve the problem, explain why this proposal is the best or a necessary solution.
 - g) If this proposal provides for the use of unique or emerging technologies, or promotes advances in construction methods, devices, materials and techniques, explain how.
 - h) If this proposal meets any energy conservation or indoor air quality requirements, explain how.
 - i) If this proposal involves the adoption of an electrical or plumbing building product, note if the appropriate advisory board approved the product.

The previous amendment eliminated the ability to restore less than substantial damaged framing to the predamaged condition when it was determined to be less than substantial damage to the building; this proposal aligns with the model code language, but adds a condition for addressing dangerous conditions as defined by chapter 2 of the code.

3. Has this been proposed at the national model code level. If so, explain when it was proposed, what happened, and why it was not adopted. Provide all associated national model code hearing information and background.

No, this is addressing a previous amendment to the OSSC that closely aligns with the model code language.

Structural Engineers of
Oregon

Implementation and Fiscal Impact

1. Explain how the proposed provisions would be enforced? Are additional inspections or permits required? Describe any necessary equipment, training, tests or special certifications.

This will be enforced by the plans examiner reviewing the repairs for code compliance. No additional inspections, equipment or training is required.

2. What is the fiscal impact of this proposal? Provide a cost benefit analysis and include the resources or methods you used to determine the fiscal impact.
 - a) If this proposal adds to the cost of construction, explain how the added cost contributes to the health and safety of occupants, or is necessary to conserve scarce resources.
 - b) If there are any other adverse fiscal impacts or cost savings passed on to the general public, the construction industry, local and state governments, and small businesses, an interested person must describe the added or reduced cost of a proposed code amendment, and describe the adverse fiscal impact or cost savings in relation to the current Oregon specialty code.
 - c) If this proposal will affect the cost of development of a detached single-family dwelling, please indicate the cost. For the purposes of illustrating the change on the cost, please use a 6,000-square-foot parcel and the construction of a 1,200-square-foot detached single-family dwelling on that parcel. The information on the cost must be sufficient to assist the division in preparing a housing cost impact statement.

This proposal will most likely reduce the cost of repairs to a damaged building with less than substantial structural damage.

Impacted Stakeholders and Other Specialty Codes

1. It is important that proposals be shared with stakeholders that will be impacted by them. Was this proposal developed with people or organizations likely to be affected by it? Has it been reviewed or shared with people or organizations likely to be affected by it? If so, who, and if not, why not?

This proposal was developed by the Structural Engineers of Oregon

2. Does this proposal impact other specialty codes or statewide programs?

No

3404.5.2.1 Repairs for less than substantial structural damage. Unless otherwise required by this section, for damage less than *substantial structural damage*, the damaged [structural](#) elements shall be permitted to be restored to their predamage condition. Where either of the following conditions exist, repair of the damaged structural elements shall comply with the requirements of this code for new construction:

1. The damage is deemed dangerous.
2. The damaged structural elements, in their predamage condition, have a demand-capacity ratio greater than; 1.5 for ASD load combinations or 1.3 for LRFD load combinations as determined by Section 1605, using dead loads and live loads determined in accordance with Sections 1606 and 1607.