**From:** Shemaka, Ann <FHWA>
**To:** Rogers, Timothy <FHWA>;
**cc:** Everett, Thomas <FHWA>; Matias, Everett <FHWA>;
Moss, Gary <FHWA>;
**Subject:** RE: Temporary Bridge Question in the NBSI
**Date:** Monday, February 11, 2008 3:59:57 PM
**Attachments:** tim_rogers.doc

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Gary is on travel so Everett, Tom and I have gotten together regarding your questions.

Attached is our guidance.

Ann Shemaka
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Washington, DC 20590
202-366-1575 (voice)

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**From:** Rogers, Timothy <FHWA>
**Sent:** Friday, February 08, 2008 2:32 PM
**To:** Shemaka, Ann <FHWA>; Moss, Gary <FHWA>
**Cc:** Everett, Thomas <FHWA>
**Subject:** RE: Temporary Bridge Question in the NBSI

Ann and Gary,

I am glad I asked the question…

1.) The detour bridge is parallel to the closed bridge, i.e. directly next to the closed bridge. Traffic is diverted onto the temporary structure.
2.) Detour bridges can be in place anywhere from 2 to 10 years depending on how fast the replacement project can be executed.
3.) Once the project in executed, the detour bridge may be in service 1 to 4 years until construction is completed.

My question back to you:

1.) If a bridge is coded E in NBI item 41, is it counted in the HBP apportionment process?
2.) What is the length of time that should be used to determine when a detour bridge should be inspected and reported separately as an NBI bridge?
3.) Should bridges that have an active construction project occurring, such as a widening project, be inspected per the NBI during the construction? If so, the coding of items 58-60 could be a bear…

4.) Oregon's practice is the following:

i. Traffic Detour bridges put in place by a contractor as part of a construction project

1. The closed bridge is inspected as an abandoned structure (cursory level inspection).
2. The closed bridge is reported in the NBI as an E in NBI 41.
3. The detour bridge is not inspected per NBIS but does have a PONTIS level inspection performed.
4. The detour bridge is not reported as an NBI bridge.

ii. Traffic Detour bridges put in place by the state (no active construction project underway).

1. The closed bridge is inspected as an abandoned structure (cursory level inspection).
2. The closed bridge is reported in the NBI as an E in NBI 41.
3. The detour bridge is not inspected per NBIS but does have a PONTIS level inspection performed.
4. The detour bridge is not reported by the state in the NBI

Thanks,

Timothy Rogers, FHWA Oregon Division Bridge Engineer, 530 Center St. NE, Suite 100, Salem OR 97301
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**From:** Ann.Shemaka@dot.gov [mailto:Ann.Shemaka@dot.gov]
**Sent:** Thursday, February 07, 2008 6:27 AM
**To:** Moss, Gary <FHWA>; Rogers, Timothy
**Cc:** Everett, Thomas <FHWA>
**Subject:** RE: Temporary Bridge Question in the NBSI

Tom and I talked about your questions this morning (not because of Gary's answers, but I was concerned with the proper coding of the old bridge and the temp bridge). Gary's answers are correct. The bridge is subject to NBIS and needs to be inspected and reported. Ten years is a long time before the bridge will be replaced and is the very reason the temporary bridge needs to be inspected and reported separately. We are not totally clear on the "configuration" of the temp bridge in relation to the old bridge. Is the temporary bridge in place next to the old structure and traffic diverts onto the temporary structure? Is the old bridge actually closed?

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**From:** Moss, Gary <FHWA>
**Sent:** Wednesday, February 06, 2008 8:42 PM
**To:** Rogers, Timothy <FHWA>
**Cc:** Everett, Thomas <FHWA>; Shemaka, Ann <FHWA>
**Subject:** RE: Temporary Bridge Question in the NBSI

Hi Tim:

I am out of town now. Let me give a shot at the questions.

1) Do we need to inspect the temporary bridge per the NBIS? - If the bridge meets the requirements of the NBIS length ect, then YES. It is carrying traffic.

2) Do we include the temporary bridge in the NBI? Yes, at least I think so, not sure how it is coded. Ten years is long time for a temp bridge.

3) Is the temporary bridge considered a bridge as defined by the NBIS? I don't see anything the definition that precludes a temp bridge from being called a bridge.

*Bridge*. A structure including supports erected over a depression or an obstruction, such as water, highway, or railway, and having a track or passageway for carrying traffic or other moving loads, and having an opening measured along the center of the roadway of more than 20 feet between undercopings of abutments or spring lines of arches, or extreme ends of openings for multiple boxes; it may also include multiple pipes, where the clear distance between openings is less than half of the smaller contiguous opening.

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**From:** Rogers, Timothy [mailto:Timothy.Rogers@fhwa.dot.gov]
**Sent:** Wednesday, February 06, 2008 3:43 PM
**To:** Moss, Gary <FHWA>
**Subject:** Temporary Bridge Question in the NBSI

Gary,
How is it going? Got a question for you ( I think I know the answer but the state was giving me a bad time so I would like to know your thoughts)…

Here's the situation:

1.) We have a bridge that it out of service (waiting for replacement) and a temporary bridge is in it's place.
2.) The closed bridge is coded E in NBI item 41
3.) The temporary bridge will be in place for the next 10 years.

Question:

1.) Do we need to inspect the temporary bridge per the NBIS?
2.) Do we include the temporary bridge in the NBI?
3.) Is the temporary bridge considered a bridge as defined by the NBIS?

Cheers,

Timothy Rogers, FHWA Oregon Division Bridge Engineer, 530 Center St. NE, Suite 100, Salem OR 97301
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