

Design Standards Letter

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Section/Plan No.: Asbestos Requirements for Bridge Demolitions and Renovations

Subject: Asbestos Requirements for Bridge Demolitions and Renovations

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In a recent interpretation of asbestos regulations, all bridge structures have been included in the definition of "facility." Therefore every bridge demolition requires a demolition notification in the same manner as building demolitions. In addition, some bridge demolitions and bridge component removals during rehabilitation may require asbestos abatement. A list of bridges with the potential of having asbestos containing materials (ACM) is being developed. Also the bridge rehabilitation checklist will be revised to assist in identifying ACM and requesting inspections. Until the list and checklist are developed, asbestos inspections should be requested on all bridge demolitions and rehabilitations.

In order to work cooperatively with the Missouri Department of Natural Resources (MDNR), a Memorandum of Understanding (MOU) will be executed. The MOU will have criteria to determine whether a bridge project requires asbestos inspection and notification of demolition. The list of statewide bridges will be categorized according to their characteristics and likelihood of containing ACM, verified by testing, and included with the MOU. Also, the MOU will include a description of renovation activities conducted on bridges and rationale for determining whether inspection and notification are required.

Until the MOU is in place the following steps are being taken:

- All bridges under contract are being inspected.
- Asbestos inspection reports are sent to district construction.
- Notifications are made and asbestos removals are conducted as necessary.
- Bridge renovation or removal projects being designed should have bridge inspection requests sent to the Central Office Materials Laboratory in all cases, and appropriate

contract provisions included in the project.

Revisions to Standard Specification Sections 202 and 216 will be prepared, as well as all appropriate manuals, checklists and policies.

The following steps may be necessary depending on the results of a bridge asbestos inspection report. These are the same steps currently necessary with a building asbestos inspection report:

- If the inspection report shows no ACM, only the 10-day demolition notification is required for a demolition, the same as a house or other structure with no ACM. The demolition notification form is available at http://www.dnr.state.mo.us/alpd/apcp/Asbestos/Demolition_Renovation.pdf.
- If the inspection report shows a regulated quantity of ACM present, contract provisions for ACM are included for removal, and the contractor will be required to submit an asbestos project notification form, available at <http://www.dnr.state.mo.us/oac/forms/780-1226.pdf>, and a demolition notification if the bridge is being removed.
- If less than regulated quantities of ACM are present, asbestos removal is not required, but a demolition notification is still required. It should be noted that Standard Specification 202.40.4 requires removal of Category I Nonfriable ACM on concrete. On a small number of bridges, asbestos may be found in concrete joint materials. If the concrete joint is being removed, the ACM should be removed from the concrete as part of the contract so the concrete may be used as clean fill.

In all cases a copy of the asbestos inspection report must be attached to the notification. In Districts 4, 6, and 8 there are local regulations that must be met similarly to the MDNR requirements. The contact information for these agencies, along with general information for inspection, abatement, and notification, are identified in the MDNR technical bulletin Asbestos Requirements for Demolition and Renovation Projects available at <http://www.dnr.state.mo.us/oac/pub2157.pdf>. The notification and inspection report are submitted to the MDNR or local agency. If assistance is needed, please contact any of the following:

Randy Hitt, Construction and Materials, (573) 751-4675

Todd Bennett, Construction and Materials, Chemical Laboratory (573) 751-1045

Bill Wilder (Districts 1-5), Design – Environmental Section (573) 526-2904

Lance Livesay (Districts 6-10), Design – Environmental Section (573) 526-4764

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