



To: n-30-1-87728- Design Quality Assurance Program SUPERSEDED BY EI 01-023 EFFECTIVE 7/11/02		New York State Department of Transportation ENGINEERING INSTRUCTION	EI 98-008
Title: REMOVAL AND DISPOSAL OF ASBESTOS FROM BUILDINGS- BLANKET VARIANCE 11 (BV11) AND APPLICABLE VARIANCE 108 (AV108), FROM BRIDGES - AV108, AND FROM THE GROUND - BV12 AND AV108.			
Distribution: <input type="checkbox"/> Manufacturers (18) <input type="checkbox"/> Surveyors (33) <input checked="" type="checkbox"/> Main Office (30) <input checked="" type="checkbox"/> Consultants (34) <input type="checkbox"/> Local Govt. (31) <input type="checkbox"/> Contractors (39) <input checked="" type="checkbox"/> Regions/Agencies (32) <input type="checkbox"/> _____ ()	Approved:  P. J. CLARK, DEPUTY CHIEF ENGINEER DESIGN DIVISION 03/23/98 Date		

Administrative information. This instruction takes effect with the letting of June 25, 1998 but the specifications may be used sooner if desired. The specifications issued in Engineering Instruction 96-026 and 97-024 are supplemented by the specifications included herein. These materials will ultimately be incorporated into a future revision of Chapter 1.C Asbestos Management of *Environmental Procedures Manual*.

Transmitted Materials. There are no materials transmitted with standard copies of this instruction. Special distribution copies of this instruction, however, will distribute complete metric and U.S. customary unit specifications in the pay item series 15202.05XX for the removal of asbestos containing material from buildings, 15202.06XX and 15202.07XX for the removal of asbestos containing material from bridges and bridge approaches, and 15202.08XX and 15202.09XX for the removal of asbestos containing pipe and/or asbestos wrapped pipe buried in the ground. The separate distribution will also include copies of BV11, AV108 and BV12. BV11 is a newly granted variance which covers removal of nonfriable, exterior asbestos material on buildings. AV108 is a newly granted variance which covers glovebag removal operations for buildings, bridges and pipe buried in the ground. BV12 is a newly granted and variance which covers removal of buried pipe in the ground.

Background and Discussion. Most of these specifications were authorized under EI 96-026 and EI 97-024 and selectively distributed with copies of those instructions. New specifications hereby authorized are:

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| 15202.0522 (M) | Removal and Disposal of Asbestos Containing Built-Up Roofing (Buildings, BV11) | Square Feet (Meters) |
| 15202.0523 (M) | Removal and Disposal of Asbestos Containing Transite Roofing/Siding (Buildings, BV11) | Square Feet (Meters) |
| 15202.0524 (M) | Removal and Disposal of Asbestos Containing Roof Shingles (Buildings, BV11) | Square Feet (Meters) |
| 15202.0525 (M) | Removal and Disposal of Asbestos Containing Shingle Siding (Buildings, BV11) | Square Feet (Meters) |

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15202.0526 (M)	Removal and Disposal of Asbestos Containing Roof Flashing (Buildings, BV11)	Square Feet (Meters)
15202.0527 (M)	Removal and Disposal of Asbestos Containing Material-Glovebag Operation (Buildings, AV108)	Linear Feet (Meters)
15202.0528 (M)	Removal and Disposal of Miscellaneous Asbestos Containing Materials (Buildings, BV11)	Square Feet (Meters)
15202.0529 (M)	Removal and Disposal of Miscellaneous Asbestos Containing Materials (Buildings, BV11)	Linear Feet (Meters)
15202.0530XX (M)	Removal and Disposal of Miscellaneous Asbestos Containing Material (Buildings, BV11)	Lump Sum
15202.0633 (M)	Removal and Disposal of Asbestos Containing Material-Glovebag Operation (Bridges, AV108)	Linear Feet (Meters)
15202.0731XX (M)	Removal and Disposal of Asbestos Containing Material-Glovebag Operation (Bridges, AV108)	Lump Sum, Fixed Price
15202.0803 (M)	Removal and Disposal of Asbestos Containing Pipe and/or Asbestos Wrapped Pipe Buried in Ground (AV108)	Linear Feet (Meters)
15202.0804 (M)	Removal and Disposal of Asbestos Containing Pipe and/or Asbestos Wrapped Pipe Buried in Ground (BV12)	Linear Feet (Meters)
15202.0903XX (M)	Removal and Disposal of Asbestos Containing Pipe and/or Asbestos Wrapped Pipe Buried in Ground (AV108)	Lump Sum, Fixed Price
15202.0904XX (M)	Removal and Disposal of Asbestos Containing Pipe and/or Asbestos Wrapped Pipe Buried in Ground (BV12)	Lump Sum, Fixed Price

The (M) in the above indicates that both the US customary unit version and the SI (metric) versions are being indicated. The XX, if any, in the above indicates that the item is serialized in those places

In addition to the above specifications, the method of measurement section of all the area or linear measure bid items have been rewritten to clarify that lapped materials, such as roofing shingles, would be measured in place for payment purposes with no additional allowances made for any overlap(s).

As indicated in El 96-026, in general, bid items measured by the area or length are preferable when the extent and location of the material are known. Lump sum items, which the contractor is required to competitively bid, such as for the removal of miscellaneous asbestos containing materials from either bridges or buildings, are suitable when there are several kinds of known, but small and miscellaneous, quantities of asbestos containing materials to be removed from known locations. The fixed price items are useful when the quantities and locations of the material are unknown at the time of bidding or when third parties, such as utilities, are paying for the work and request lump sum, fixed price items be used to protect them from unbalancing or other unusual bidding situations.

New Blanket Variances. Blanket Variances 8, 9, and 10 were discussed in Engineering Instruction 96-026. Blanket Variance 12 was discussed in Engineering Instruction 97-024. Blanket Variance 11 is a new variance applicable only when removing non-friable asbestos containing materials from building exteriors prior to demolition. The principal effect of Blanket Variance 11 is to consolidate the many site specific variances for removal of some exterior nonfriable building materials such as built-up, shingle and transite roofing, shingle and transite siding and the inclusion of other more specific materials such as roof flashing, roof cement and caulks, grouts, and sealers.

Miscellaneous Designer information. As in the past, the appropriate blanket variances, including the newly issued BV11, BV12, and Applicable Variance 108 and pay items in the 15202 asbestos removal series indicated in the estimate will be inserted into proposals by the Design Quality Assurance Bureau. Because the New York State Labor Law and Industrial Code Rule 56 allow only certified asbestos project designers and licensed asbestos firms to design asbestos projects, as in the past, these specifications can be used only upon the recommendation to use them made by properly certified asbestos project designers employed by the Department or by properly licensed asbestos firms. Neither the project reviewer in the Design Quality Assurance Bureau, nor any other person within that Bureau, is responsible for checking whether or not the individuals are properly certified or the firms are properly licensed to recommend these items and/or variances. This is a Regional responsibility.

The "jersey barriers" required by the Blanket Variances 5, 6R1, 8, 9, and 10 should be separately constructed, measured and paid for under the Item 619.17 (M), Temporary Concrete Barrier. The "class 3 barriers" required by Blanket Variance 12 should be separately constructed, measured, and paid under the Item 619.0413 Type III Construction Barricades. If barricade lighting is required, this may be provided under 619.0502. Pay Items 15202.0612, 15202.0613, 15202.0614, 15202.0710XX, 15202.0711XX, 15202.0712XX, 15202.0802, 15202.0902XX, 15202.1002, 15202.1102XX, and their metric equivalents, are the pay items that require the use of "jersey barrier." Pay items 15202.0622 through 15202.0633, 15202.0722 through 15202.0731, 15202.0801 through 15202.0804 and 15202.0901 through 15202.0904 are the items that require the use of "class 3 barriers."

Any special notes developed should be in "dual units" for metric projects or "U. S. Customary units" for projects that are not metric projects. This is a departure from our normal metric policy not to use "dual units" but the NYSDOL, which is responsible for asbestos standards in the State, is not a metric department.

Contact Persons. Chuck Torre of the Design Quality Assurance Bureau at (518) 457-2048 or Jonathan Bass of the Environmental Analysis Bureau at (518) 457-5672.

How to obtain copies of the various mentioned materials. Those who need copies of individual variances or copies of individual specifications may obtain copies of these "from the shelf" by calling the Design Quality Assurance Bureau at (518) 457-6467. Those who need all the specifications as a set may obtain these by requesting the special distribution copy of this engineering instruction at the same telephone numbers and from the same individuals identified above. Also as available the above can be obtained from the computer network server.

Complete sets of the Blanket Variances and the asbestos chapter of the *Environmental Procedures Manual* may be obtained from the Environmental Analysis Bureau at (518) 457-5672.

There may be printing charges for the specifications, variances, or the asbestos chapter.