
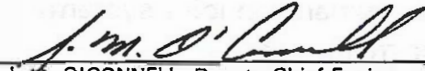


<p>MODIFIED BY EB 97-004 EFFECTIVE 1/17/97 SUPERSEDED BY EB 99-024 EFFECTIVE 3/16/99</p>		<p>New York State Department of Transportation ENGINEERING INSTRUCTION</p>	<p>EI 96-021</p>								
<p>Title: Bridge Detail (BD) Sheets - JA1 thru JA5, JM1 thru JM10; Joint Standards</p>											
<p>Distribution:</p> <table border="0"> <tr> <td><input type="checkbox"/> Manufacturers (18)</td> <td><input type="checkbox"/> Surveyors (33)</td> </tr> <tr> <td><input checked="" type="checkbox"/> Main Office (30)</td> <td><input checked="" type="checkbox"/> Consultants (34)</td> </tr> <tr> <td><input checked="" type="checkbox"/> Local Govt. (31)</td> <td><input type="checkbox"/> Contractors/AGC (39)</td> </tr> <tr> <td><input checked="" type="checkbox"/> Regions/Agencies(32)</td> <td><input type="checkbox"/> _____ ()</td> </tr> </table>	<input type="checkbox"/> Manufacturers (18)	<input type="checkbox"/> Surveyors (33)	<input checked="" type="checkbox"/> Main Office (30)	<input checked="" type="checkbox"/> Consultants (34)	<input checked="" type="checkbox"/> Local Govt. (31)	<input type="checkbox"/> Contractors/AGC (39)	<input checked="" type="checkbox"/> Regions/Agencies(32)	<input type="checkbox"/> _____ ()	<p>Approved:</p> <div style="text-align: right;">  J. M. O'CONNELL, Deputy Chief Engineer (Structures) </div> <div style="text-align: right;"> <u>04/09/96</u> Date </div>		
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This EI supersedes EI 75-070 and EI ~~76-017~~ ⁷⁶⁻⁰¹⁷ It partially supersedes EI 95-036.

The Structures Division is beginning the process of a major revision and consolidation of the Department's bridge standards. The goal of this effort is to develop a single set of consistent, accurate and effective standard bridge details that will reflect current practice. These standard details will be known as Bridge Detail (BD) sheets. They will be issued one subject area at a time. This EI issues the BD sheets for bridge deck joints. The details depicted on BD sheets should be followed in normal situations.

The BD sheets will eventually replace all existing Bridge Design Data (BDD) and Guide Line Drawing (GLD) sheets. They will be issued in metric only. Along with the BD sheets, CADD insert shells have been developed to assist in the preparation of contract plans. The CADD shells contain the common details and are referenced to the BD sheet CADD files. The designer selects the appropriate details from the BD sheets and the CADD operator uses the BD sheet reference files to create the contract plan sheet. The practice of developing and maintaining a separate set of insert sheets for contract plans will be discontinued. The CADD shells are included with the electronic version of these BD sheets.

The Structures Division has been issuing revisions of all existing BDD and GLD sheets in English and metric versions. This task will continue to completion. As the new BD sheets are issued, the appropriate metric BDD and GLD sheets will be superseded. The English version BDD and GLD sheets will not be superseded until the current projects using English units are completed.

Armored Joints with Compression Seal

BD sheets JA1 thru JA5 issue the new standard details for armored joints. The standard details now cover situations for curbless bridges, safety shape, sidewalks and prestressed beams.

Modular Expansion Joint Systems

For the first time, standard details for modular joint systems are being issued with BD sheets JM1 thru JM10. Modular Expansion Joints with greater than 4 cells are possible but special details not reflected on these BD sheets are needed.

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A one cell Modular Expansion Joint System is now the joint system that should be used where the Type A8 Armored Joint System with Compression Seal and the Armored Joint System with Elastomeric Sealer were formerly used. The one cell modular joints are cost competitive with these joint systems and offer superior performance.

Elastomeric Expansion Joint Systems

The elastomeric expansion joint systems are being eliminated because of their performance and lack of use for many years.

Deleted BDD sheets

The following BDD sheets are deleted:

75- 7 0A	95-64A
75-60B	95-64B
75-60D	95-64C
75-60E	95-M61
75-060F	95-M62
75-60G	95-M63
75-60H	95-M64A
	95-M64B
	95-M64C
	75-65

Disapproved Item Numbers

The following item numbers are disapproved with the effective date of this El.

567.0101	Elastomeric Expansion Joint System - Type 200
567.0201	Elastomeric Expansion Joint System - Type 250
567.0301	Elastomeric Expansion Joint System - Type 400
567.0401	Elastomeric Expansion Joint System - Type 650
567.0501	Elastomeric Expansion Joint System - Type 900
567.0601	Elastomeric Expansion Joint System - Type 1300
567.21	Armored Joint System with Elastomeric Sealer
567.38	Armored Joint System with Compression Seal - Type 8
567.21M	Armored Joint System and Elastomeric Sealer
567.38M	Armored Joint System with Compression Seal - Type A8

Questions concerning this subject should be directed to Arthur Yannotti of the Structures Division at (518) 485-1148.

This El will be effective with the letting of October 17, 1996.