

TO: SUPERSEDED BY EB 98-014 EFFECTIVE 4/24/98	<h1 style="text-align: center;">ENGINEERING INSTRUCTION</h1> <p style="text-align: center;">NEW YORK STATE DEPARTMENT OF TRANSPORTATION</p> <p style="text-align: center;">SUBJECT: TOP STRUTS IN FASCIA BAY DIAPHRAGMS</p> <p style="text-align: center;">Subject Code: 7.35-2</p>
Distribution: <input checked="" type="checkbox"/> Main Office <input checked="" type="checkbox"/> Regions <input checked="" type="checkbox"/> Special	Code: <u>EI 82-9</u>
APPROVED: <i>E.V. Hourigan</i> <u>E.V. HOURIGAN, Deputy Chief Engineer (Structures)</u>	Date: <u>Jan. 27, 1982</u> Supersedes:

Refer to BDD - 79-30, Detail for Intermediate Diaphragm, Type 2. A note requires that a top strut be provided for all diaphragms in the outside bays only.

This strut is required to prevent torsional displacement of the fascia stringer during concrete deck placement operations. It therefore must be in place prior to the start of the deck concrete operation. It is particularly important in cases where the fascia overhang is large, or where a finishing machine may be supported on a rail outside the fascia stringer. Designers and reviewers should be sure that such struts are included in all outside bay diaphragms for bridges whose plans are their responsibility.

Designers and reviewers are also reminded to provide this member on projects which include deck replacement. If the existing diaphragm does not include a top strut, it must be modified to include one whenever the deck is to be replaced.

