

SUMMARY OF LONG-TIME BEAM TESTS

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I am submitting herewith a brief statement of the results obtained thus far from the ten beams which are under long-time loading at the Fritz Laboratory. It should be remembered that the statements made herein are tentative and may be subjected to revision later on.

1. The concrete deformations of the beams have increased over one hundred per cent.

2. The deflections of the beams have increased more than one hundred per cent over the initial deflections.

3. The steel stresses have increased only slightly.

4. The beams containing the high yield point steels (and being stressed to correspondingly higher working stresses) do not appear to behave much differently than the beams containing steel with low working stresses.

5. The deflections of beams are least in those beams containing the stronger concretes.

6. The deflections are gradually levelling off and are approaching a stable condition.