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| DOTLOGO2 |  **Illinois Modified AASHTO T 177 Checklist** **Procedure for Obtaining Flexural Strength of Concrete (Using Center Point Beam Loading)** |
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| The following is a summary checklist of the key steps involved in operation of center point loading beam breaker (hand pump operated). |
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| **Did the tester explain that:** |  | **YES** | **NO** |  |
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| 1. | The test machine has been calibrated/verified to be within 3.0% accuracy (IL Mod)  | [ ]  | [ ]  |  |
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| 2. | Each test specimen shall have a minimum of 1 inch overhang on each side of the support blocks  | [ ]  | [ ]  |  |
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| 3. | The sides of the test specimen shall be at right angles with the top and bottom  | [ ]  | [ ]  |  |
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| 4. | All surfaces in contact with load-applying and support blocks shall be smooth and free of scars, indentations, and holes  | [ ]  | [ ]  |  |
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| 5. | That the beam shall be centered on the bottom rollers  | [ ]  | [ ]  |  |
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| 6. | That you bring the load-applying block in contact with the beam  | [ ]  | [ ]  |  |
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| 7. | The load may be applied continually without shock, up to 50% of the breaking load. Thereafter, apply the load continuously at a rate which constantly increases the extreme stress between 125 and 175 psi/min. until rupture occurs  | [ ]  | [ ]  |  |
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|  | (With permission of the Engineer, testing may be permitted to 10% above specified strength instead of to failure.) |  |
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| 8. | When using a 762 mm (30 in.) long beam, the remaining length is inserted for a second break, allowing that the specimen has a minimum of 25 mm (1 in.) overhang on each side of the support blocks  | [ ]  | [ ]  |  |
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| 9. | Results are recorded and calculated to the nearest 5 psi  | [ ]  | [ ]  |  |
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| Tester: |       | Observer: |       | Date: |       |
|  |
| REMARKS: |       |
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