The table contains the following columns:

- **Structure**: Identifies the type of structure.
- **Beam**: Identifies the specific beam.
- **Size**: Provides the size of the beam.
- **Strength (ksi)**: Indicates the strength in kilo-pounds per square inch (ksi).
- **Designation**: Specifies the designation for the beam.
- **Type 5XB28**: Lists the details for Type 5XB28 beams.
- **Type 5XB20**: Lists the details for Type 5XB20 beams.
- **Type 5XB34**: Lists the details for Type 5XB34 beams.

Each row includes additional parameters such as the number of strands, strand tension, and other technical specifications.

**Design Notes**:
- Designed in accordance with AASHTO LRFD Bridge Design Specifications.
- Prestress losses for the designed beams have been calculated for a relative humidity of 60 percent. Optional designs must likewise conform.

**Fabrication Notes**:
- Provide Class III concrete.
- Use low relaxation strands, each pretensioned to 75 percent of fpu.
- The designed beam or an approved equivalent beam design. All optional design considerations and shop drawings must be signed, sealed, and dated by a Professional Engineer registered in the State of Texas.

**MOMENT REQUIREMENTS**:
- Minimum moment requirements are indicated. Full row 2.5, then row 14.5, then row 9.5, etc. Place strands within a row as follows:
  - 1) Locate a strand in each "1" position.
  - 2) Place strand symmetrically about vertical centerline. Decrease debonded lengths working inward.
- Do not add strands in position "4." Distribute strands equally about the vertical centerline. Decrease debonded lengths working inward.

**NOTES**:
- The fabricated strands shall be furnished and arranged so as to provide the necessary prestressing force without exceeding the specified limits of prestress tendon elongation.

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**Legend**

- **O**: Optional design.
- **K**: Key.
- **E**: Elastic.
- **B**: Basic.
- **M**: Minimum.
- **D**: Design.
- **L**: Load.
- **T**: Tension.
- **C**: Compression.
- **R**: Required.
- **M**: Moment.
- **L**: Length.
- **T**: Total.
- **S**: Span.
- **W**: Width.
- **H**: Height.
- **P**: Prestress.
- **D**: Design.
- **L**: Load.
- **T**: Tension.
- **C**: Compression.
- **R**: Required.
- **M**: Moment.
- **L**: Length.
- **T**: Total.
- **S**: Span.
- **W**: Width.
- **H**: Height.
- **P**: Prestress.
- **D**: Design.
- **L**: Load.
- **T**: Tension.
- **C**: Compression.
- **R**: Required.
- **M**: Moment.
- **L**: Length.
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- **W**: Width.
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- **P**: Prestress.
- **D**: Design.
- **L**: Load.
- **T**: Tension.
- **C**: Compression.
- **R**: Required.
- **M**: Moment.
- **L**: Length.
- **T**: Total.
- **S**: Span.
- **W**: Width.
- **H**: Height.
- **P**: Prestress.

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**ML93 Loading**

- **Type**: X-BEAM STANDARD
- **Design**: 40' Roadway
- **Designations**: XBSD-40

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**Beams**

- **TXDOT 5XB40 BEAMS**
- **TXDOT 5XB34 BEAMS**
- **TXDOT 5XB28 BEAMS**
- **TXDOT 5XB20 BEAMS**