

# GIRDER & PANEL

## ACTION BRIDGE HIGHWAY SET



Build many sturdy bridges  
with working winch  
Contains over 400 pieces



Assembly required  
Ages 7 and up

**Kenner**



Boats, cars  
and trucks  
not included

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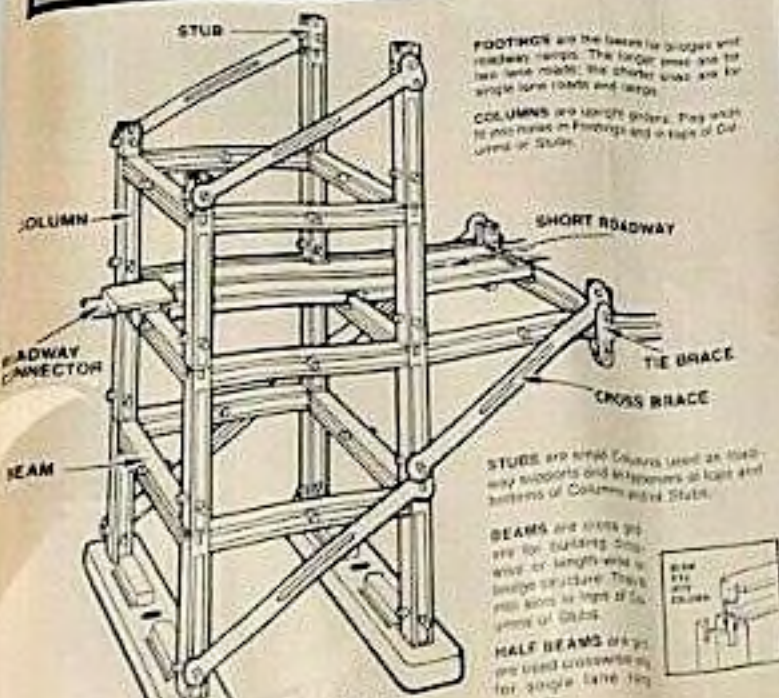
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## BRIDGE & HIGHWAY BUILDING SET



**FOOTINGS** are the bases for bridges and roadway supports. The larger ones are for two lane roads; the shorter ones are for single lane roads and large.

**COLUMNS** are upright poles. They work in conjunction with Footings and in case of Columns or Stubs.

**STUBS** are small Columns used as roadway supports and interconnectors at base and bottoms of Columns and Stubs.

**BEAMS** are used for building one-way or two-way structures. They will come in two sizes of 1/2" and 1" wide.

**HALF BEAMS** are used for crossbeams for single lane road supports.



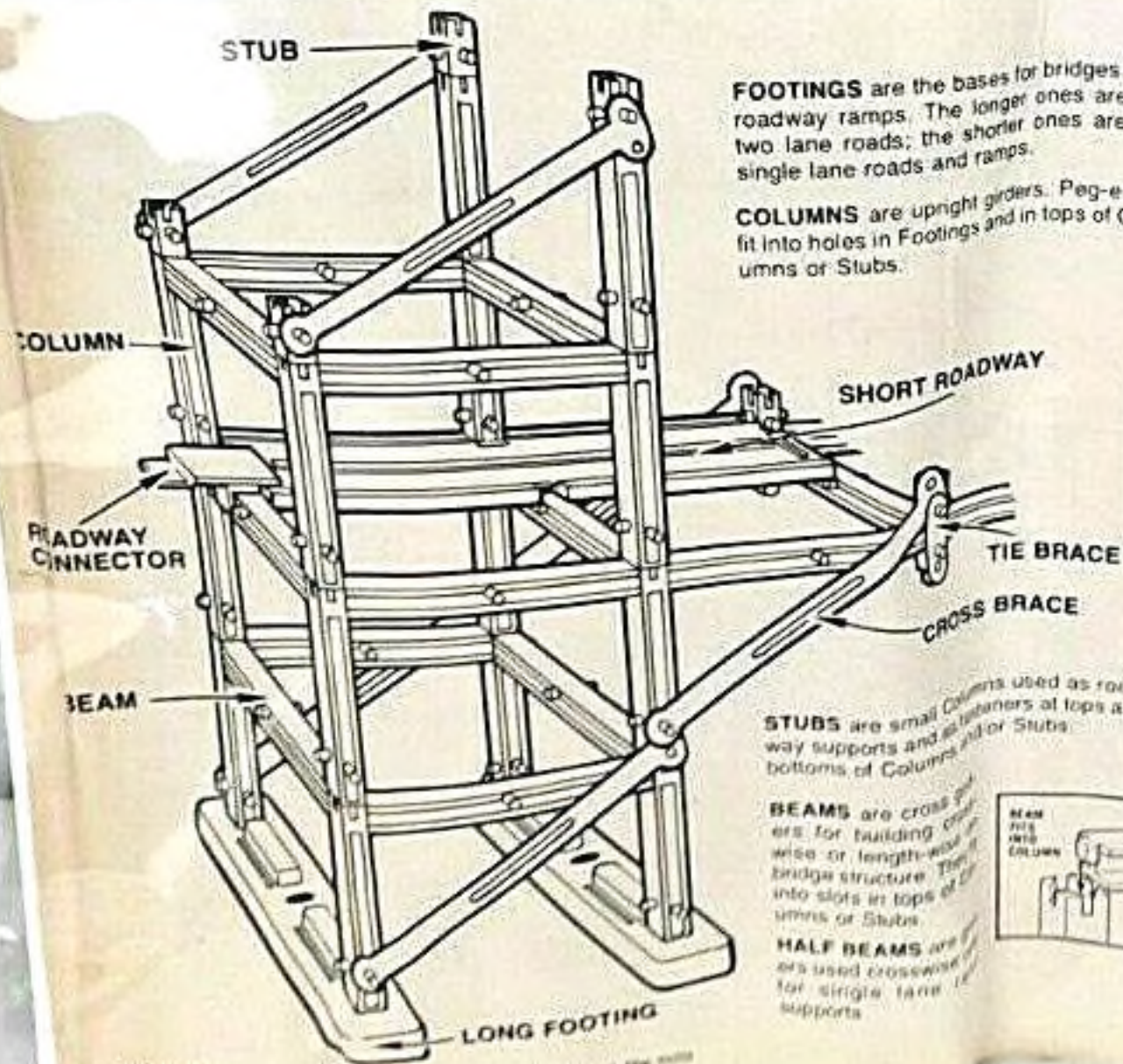
- TIE
- ROAD
- ROAD





# HARDER & PAINE!

## BRIDGE & HIGHWAY BUILDING SET



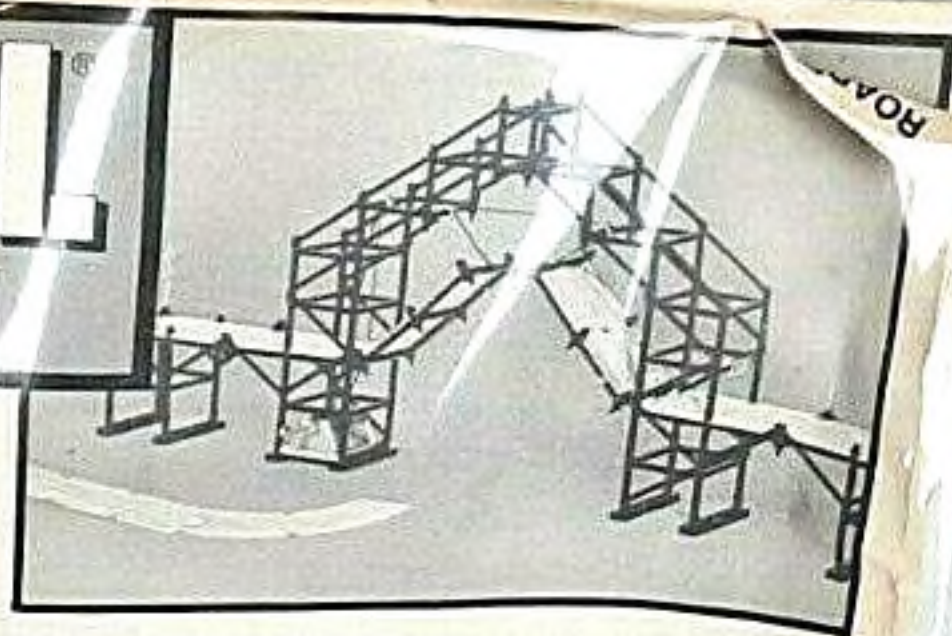
**FOOTINGS** are the bases for bridges and roadway ramps. The longer ones are for two lane roads; the shorter ones are for single lane roads and ramps.

**COLUMNS** are upright girders. Peg-ends fit into holes in Footings and in tops of Columns or Stubs.

**STUBS** are small Columns used as roadway supports and as balancers at tops and bottoms of Columns and/or Stubs.

**BEAMS** are crosswise girders for building wide or lengthwise bridge structure. They fit into slots in tops of Columns or Stubs.

**HALF BEAMS** are used crosswise for single lane supports.



**CROSS BRACES** support the structure and give the bridge its strength. They fit diagonally between Columns and/or Stubs. Snap round end onto rivet of lower Column or Stub, then swing wide end up so one of the holes comes over the rivet. Snap it on.

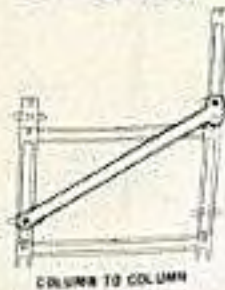
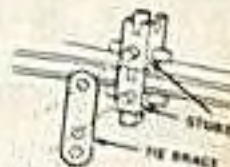


Diagram at left shows Cross Braces between two like parts (Column to Column or Stub to Stub) using the upper hole in the wide section of the Brace.

Shown at right is the use of the Cross Brace between two unlike parts (Column to Stub or Stub to Column) using the lower hole in the wide section.



**TIE BRACES** must be used on bridge span to hold two Stubs or a Column and Stub together. On suspension bridges they are used as suspension ties for cables that hold up the Roadway (see back page).



**ROADWAYS** rest on Beams. Notches in the sides of Roadways fit around Columns and Stubs. There are three types of Roadways: Long Straight, Short Straight and Curved.

**ROADWAY CONNECTORS** are used to connect Roadway sections together. The "L" shaped Range on each side of Connector fits into slots at ends of Roadways. The groove on bottom of Connector fits over Beam. Connect Roadways first and slide entire Roadway into bridge. Slots in Connectors fit onto covers on half beams.

