SECTION THRU FORMLINER

⚠️ STRUCTURAL CONCRETE CAN ONLY BE ASSIGNED TO THIS FORM LINER WHEN SHEET METAL WALL IS REQUIRED TO SUPPORT CONCRETE PAVING AS INDICATED ON THE SPOTSTYLE.

BROKEN RIB
FORMLINER THICKNESS = 3" x 3/8"
WIDTH = 36" x 1/2"
MAX. DEPTH = 2" x 3/8"

RUSTIC ASHLAR
FORMLINER THICKNESS = 3"
WIDTH = 12" x 1/2"
MAX. DEPTH = 2"

FIELD STONE - RANDOM
FORMLINER THICKNESS = 3/8"
MAX. DEPTH = 1 1/4"

RECTANGULAR CUT STONE
FORMLINER THICKNESS = 3/4" x 1/2"
MAX. DEPTH = 1 1/4"

RETAINING WALL NOTES
FORMLINER CORRUGATION ON RETAINING WALLS SHALL BE LEVEL.

ABUTMENT NOTES
FORMLINER CORRUGATION ON ABUTMENTS AND PARAPETS SHALL BE LEVEL.

PIER NOTES
FORMLINER CORRUGATION ON PIER WALL SHALL BE LEVEL.

PARAPET NOTES
FORMLINER CORRUGATION ON PARAPETS SHALL BE PARALLEL TO TOP OF PARAPET.
**54 W Girder**

\[ A = \frac{T_r}{200,000} \text{ in.}^2 \]

\[ A = 4004.41 \text{ in.}^2 \]

\[ f_p = 27.17 \text{ ksi} \]

\[ f_p = 26.70 \text{ ksi} \]

\[ S_p = 6205 \text{ in.}^3 \]

\[ N = 82.5^2 / \pi \]

**PRE-TENSION**

\[ E_p = 0.75 \times 200,000 = 150,000 \text{ ksi} \]

**Stress due to end live load**

\[ \sigma_1 = \frac{26.32}{4004.41} = 0.00659 \text{ ksi} \]

\[ \tau_0 = \frac{3.65}{4004.41} = 0.00091 \text{ ksi} \]

**Standard Arrangements to Raise Center of Gravity**

To avoid drooping of 0.6" strands

**Arrangement at G Span - For Girder with Draped 0.6" Strands**

**54 W Prestressed Girder Design Data**

State of Wisconsin
Department of Transportation
Structures Development Section

Approved: Scot Becker

Date: 12/12

Standard: 19.16
**SLAB POURING SEQUENCE**

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION
STRUCTURES DEVELOPMENT SECTION

APPROVED [Signature]

DATE

STANDARD 24.11

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**NOTES ON PLANS**

- The rate of placing concrete small equal or greater to span length
  - in highways only may exceed 300 cubic yd per hour. Required only
    for continuous steel girders.
- Two or more alternate forms may be placed on the same day, provided only when a working sequence is shown on plans.
- The contractor may submit an alternate pouring sequence subject to the approval of the structures design section. The contractor may submit a pouring sequence for approval to the structures design section if it is not shown on the plans.

**DESIGN NOTES**

- Steel girders ideal pours - 2 spans
  - Length of the span
  - Number of spans
  - Number of supports

- Steel girders ideal pours - 3 spans
  - Length of the span
  - Number of spans
  - Number of supports

- Steel girders ideal pours - any number of spans
  - Length of the span
  - Number of spans
  - Number of supports

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**SECTION THRU TRANSVERSE OR LONGITUDINAL JOINT**

**PLAN VIEW - SHOWING PLACEMENT OF TRANSVERSE CONSTRUCTION JOINTS**

- Place longitudinal portion of construction joint in line with edge of traffic lane.
- Edge of slab.
- Transverse pour line as located above.
- Note step transverse joint so that "o"-"t" or "t"-"o" does not exceed 30 in unless entire pour length is for the span in which the joint is placed.

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**SLAB POURING SEQUENCE**

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION
STRUCTURES DEVELOPMENT SECTION

APPROVED [Signature]

DATE

STANDARD 24.11
SECTION THRU EXPANSION END

SHOWING EXISTING STEEL GIRDERS
WITHOUT EXISTING STEEL DIAPHRAGM

NOTES

STEEL GIRDERS SLAB &
SUPERSTRUCTURE DETAILS

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION
STRUCTURES DEVELOPMENT SECTION

APPROVED:  Scot Becker  DATE:  10-16

STANDARD 24.12
SLOPED FACE PARAPET 'LF'

DEPARTMENT OF TRANSPORTATION
STRUCTURES DEVELOPMENT SECTION

STATE OF WASHINGTON

APPROVED: Scot Becker
DATE: 11/30

STANDARD 30.12