MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION

ROUTE	STATE	DISTRICT	SHEET NO.
*	MO	BR	*

JOB NO. *

CONTRACT ID.

PROJECT NO.

COUNTY *

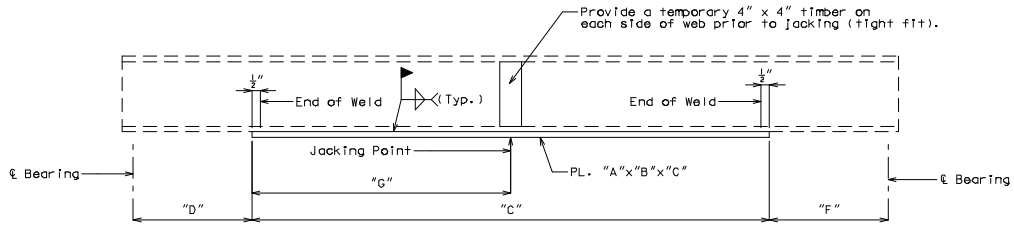
SEC/SUR * TWP * RGE *

"THIS MEDIA SHOULD NOT BE CONSIDERED A CERTIFIED DOCUMENT."

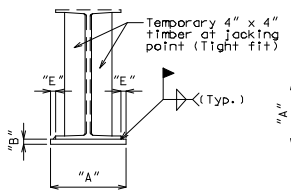
DATE_____

IF A SEAL IS PRESENT ON THIS SHEET IT HAS BEEN ELECTRONICALLY SEALED AND DATED.

ESTIMATED QUANTITIES		
ITEM		TOTAL
Strengthening Existing Stringers	Lump Sum	

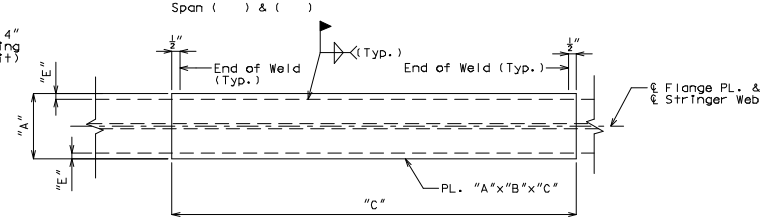


TYPICAL ELEVATION OF STRINGER



SECTION THRU STRINGER

Span ( ) & ( )



DETAIL OF FLANGE PLATE

TABLE OF DIMENSIONS										
STRINGER LOCATION		DIMENSIONS								
		"A"	"B"	"C"	"D"	"E"	"F"	"G"	*	**

General Notes:

Design Specifications:

AASHTO 2002 17th Edition

Design Loading:

1993 Missouri Posting Loads (H20 & 3S2)
No Future Wearing Surface

Design Unit Stresses:

Structural Carbon Steel Fy= 36,000 psi (New Steel)
Exist. Steel Fy= psi
Working Stress Design = 68% of Fy (Existing)

Paint:

Calcium Sulfonate (2 coats)

Old and New Work:

Outline of old work is indicated by light dashed lines.
Heavy lines indicate new work.

Dimensions:

Longitudinal dimensions are based on the original design plans.

Traffic:

Maintain one lane of traffic during construction (see Roadway Traffic Control Plans).

Stringer Support:

All existing stringers in the span being strengthened shall be raised simultaneously * at jacking point and supported during welding of new steel plates.

The temporary supports must be capable of safely supporting a service load of approximately ** tons per stringer (factor of safety not included) (see Special Provisions).

Designed
Detailed
Checked

Note: This drawing is not to scale. Follow dimensions.

Sheet No. of

B.M.

BRIDGE

STATE ROAD

ABOUT

STA.

STD.
STD.
STD.
STD.
WID 5

REV.