SEC/SUR ✳ TWP ✳ RGE ✳

MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION

ESTIMATED QUANTITIES		
ITEM		TOTAL
Strengthening Existing Stringers	Lump Sum	

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.

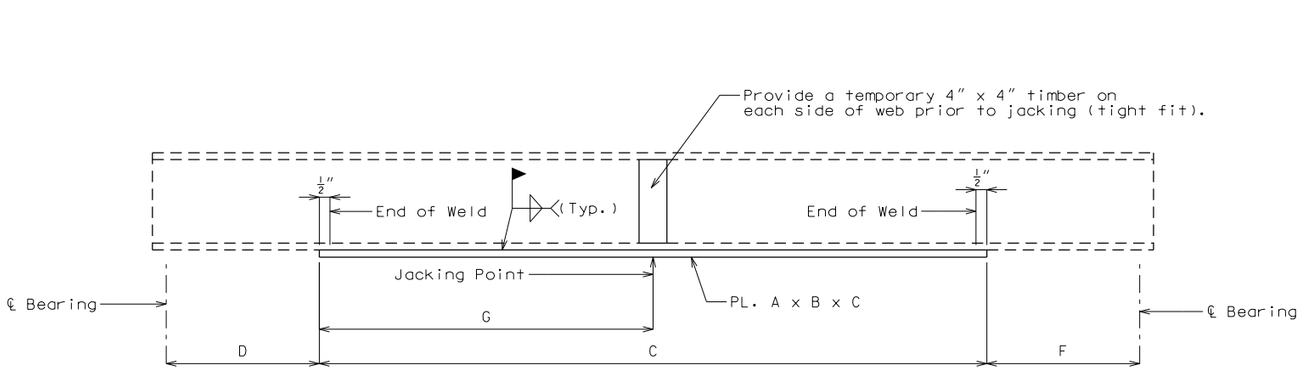
Traffic:

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

Stringer Support:

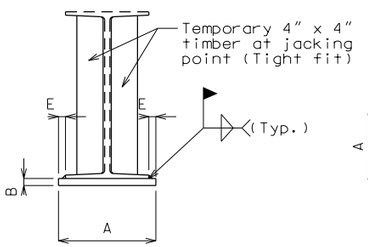
All existing stringers in the span being strengthened shall be raised simultaneously ✳ at jacking point and supported during welding of new steel plates.

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).

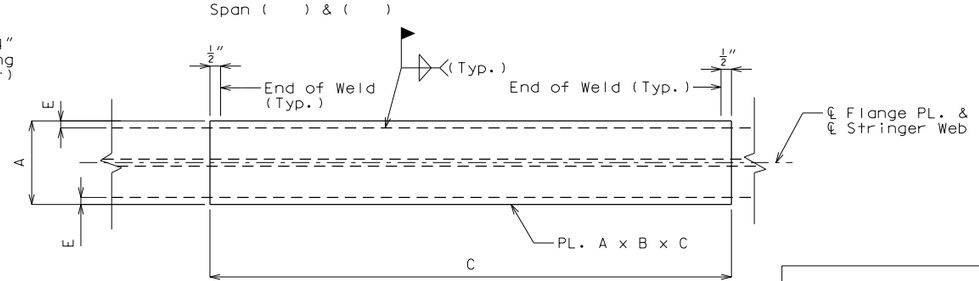


TYPICAL ELEVATION OF STRINGER

Span ( ) & ( )



SECTION THRU STRINGER



DETAIL OF FLANGE PLATE

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

Standard Drawing Guidance (do not show on plans):

Use for adding welded cover plates and applying a jacking load to increase capacity.

A "no jack" option may be used by designer in lieu of "jacking" option. Welding in both cases should not be performed under live load, especially direct live load.

B.M.

BRIDGE

STATE ROAD
ABOUT
STA.

STD.
STD.
STD.
STD.

Designed
Detailed
Checked

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

Sheet No. of

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

DATE PREPARED 1/7/2015	
ROUTE ✳	STATE MO
DISTRICT BR	SHEET NO. ✳
COUNTY ✳	
JOB NO. ✳	
CONTRACT ID.	
PROJECT NO.	
BRIDGE NO. RHB05	

DESCRIPTION	DATE

MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION
105 WEST CAPITOL
JEFFERSON CITY, MO 65102
1-888-ASK-MODOT (1-888-275-6636)

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

REV.