



WASHINGTON STATE DEPARTMENT OF TRANSPORTATION
BRIDGE & STRUCTURES BRANCH

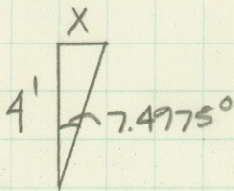
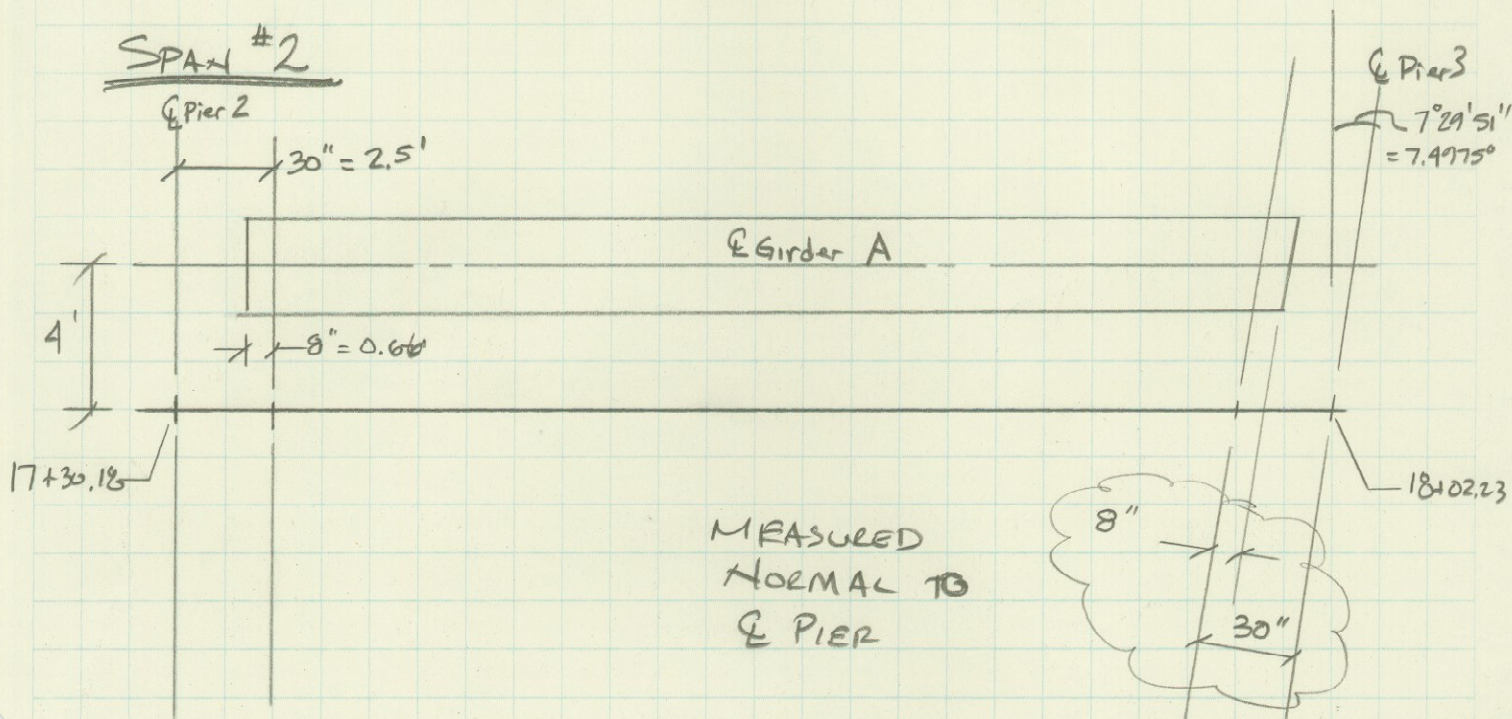
Project PG Super Geometry Check

Sheet No. of sheets

S. R. Made by Check by RAB

Date 12/13/06

Supv.

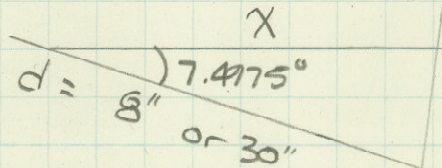


$$\tan 7.4975^\circ = \frac{X}{4}$$

$$X = 0.526'$$

I THINK YOU MISSED THIS

GIRDER END/CONNECTION GEOMETRY



$$\frac{d}{X} = \cos 7.4975^\circ$$

$$d = 8" \quad X = 0.67'$$
$$d = 30" \quad X = 2.52'$$

$$\text{GIRDER LENGTH} = (1802.23 - 1730.18) - (2.5 + 2.52) + (0.66 + 0.67) + 0.526$$
$$= 68.893'$$

$$\text{SPAN LENGTH} = 68.893 - (0.66 + 0.67) = 67.556'$$