B1595-8h 97592'76

> 1.303.75 1EE 2Eh 1, 286.15 , Sh ogb

Route Russell 54 Stream Big Stoux River MRM Date 6/20/12 Initials Let Bridge Structure No. 50/83/95 Location Big Stoux River + Russell 54 (SD 384)  GPS coordinates: 10/14/53/57/11 taken from: USL abutment x centerline of 11/1 MRM end Datum of coordinates: WGS84 x NAD27  Drainage area = 3/30.07 sq. mi.  The average bottom of the main channel was 1.0 ft below top of guardrail at a point 107 ft from left abutment. Method used to determine flood flows: Freq. Anal. drainage area ratio x regional regression equations.								
MISCELLANEOUS CONSIDERATIONS  δείτε								
Flows	Q100 = Q10 1780C			Q500 = Brc 27600			2	4770
Estimated flow passing through bridge	17800			21745			5	11500
Estimated road overflow & overtopping	(0)			5855			10	17800
Consideration	Yes	No	Possibly	Yes	No	Possibly		27600
Chance of overtopping		X		X		*	50	36500
Chance of Pressure flow			X	X	0		100	4 6600
Armored appearance to channel		×					500	74302
Lateral instability of channel		×			*	¥		
Riprap at abutments?  Evidence of past Scour?  Debris Potential?  Med								
5-5). Left abstract 151-main change 1 M). Her scar (14), gap 20-xx) right abstract								
Summary of Results 1. 131- Lisht abutnest low steel								
Summary of Results ).	Q100 G10			Asno C				
Bridge flow evaluated	17808			21745				is, used
Flow depth at left abutment (yaLT), in feet	8			0				Steel at
Flow depth at right abutment (yaRT), in feet	Ö			0			top	of middle
Contraction scour depth (ycs), in feet	2.6			2.9			Section	naic.
Pier scour depth (yps), in feet				8				
Left abutment scour depth (yas), in feet	Q			O				
Right abutment scour depth (yas), in feet				C				
1Flow angle of attack				45				

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