10017 - tof its 3-00

ZE 290'hh

Talle Section

17-14

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Route Cruk Dr Stream Drainage  Bridge Structure No. 524333/4 Log  GPS coordinates: Null 2 44,11  Drainage area = 3.28 sq. mi.  The average bottom of the main channel was Method used to determine flood flows: Freq.	Datum of co	USL abutmer pordinates: W	GS84_x rail at a point	NAD27_t 2  regional regi	f   MRM  ft from le	endft abutment.	7/3
Flows				Q <sub>500</sub> =	556		2/15.1
Estimated flow passing through bridge	Qtoo Qion stee)						5 40.2
				556			
Estimated road overflow & overtopping	Vac	No.	Doggilala	Vac	O No	Descible.	10 69.9
Consideration	Yes	No	Possibly	Yes	No	Possibly	25 127
Chance of overtopping Chance of Pressure flow	<u></u>		-		X		50 193
					X		100 277
Armored appearance to channel		$\sim$					500 556
Lateral instability of channel		×			X	<u> </u>	. 34
Riprap at abuttments?  Evidence of past Scour?  Debris Potential?  Pligh  Med  Low  Don't know Serve Centraction  Body Clesics,  Evaluated a  Side Clesics,  Evaluated a  Society flow much & than  bidge Clesics,  Evaluated a  Society and low steel  Flows  Bed Material Classification Based on Median Particle Size (D50)  Material  Silt/Clay Sand Gravel Cobbles  Size range, in mm <0.062  Comments, Diagrams & orientation of digital photos							
Summary of Results							
		-0100 (B)	as ofer!		Q500		
Bridge flow evaluated	2916		556				
Flow depth at left abutment (yaLT), in feet	2.3		956				
Flow depth at right abutment (yaL1), in feet	3,3		1,0				
Contraction scour depth (ycs), in feet	3		0.1				
		~					
Pier scour depth (yps), in feet			×				
Left abutment scour depth (yas), in feet	[7.]		0				
Right abutment scour depth (yas), in feet		21.9			7.6		
1Flow angle of attack		0			0		•

See Comments/Diagram for justification where required