

Left abutment scour, $y_{as} = \psi_{LT}(K_1/0.55) = 11.9$ ft Right abutment scour $y_{as} = \psi_{RT}(K_1/0.55) = 14.8$ ft

Bridge Structure No. 52-13-03-07 GPS coordinates:	Route Compbell Ststream Regard C	reet	MRM	Da	te 4/13/	/// Ini	itials Ch	
Continues	Route Campbell StStream Rapid Creek MRM Date 4/13/11 Initials Ch							
Drainage area = 421.72	CDS and interest AC WIR GALLON GOVERNMENT OF THE CONTROL OF THE CO							
Drainage area = 421.72	1. 103° 11'30 6" Datum of coordinates: WGS94 X NAD27							
The average bottom of the main channel was Freq. Anal. I drainage area ratio regional regression equations. MISCELLANEOUS CONSIDERATIONS								
Method used to determine flood flows: Freq. Anal.								
Flows								
Flow Estimated flow passing through bridge	regional regression equations.							
Flow Estimated flow passing through bridge	MISCELL ANEOUS CONSIDER ATIONS							
Estimated flow passing through bridge 1/6 30 12 / 70 Estimated road overflow & overtopping 5 / 30 Consideration Yes No Possibly Yes No Possibly Chance of overtopping X X X Chance of Overtopping X X X Chance of Pressure flow X X Armored appearance to channel X X Lateral instability of channel X X Riprap at abutments? Yes No Don't know Debris Potential? High Med Low Low Low NA Does scour countermeasure(s) appear to have been designed? Riprap Yes No Don't know NA Spur Dike Yes No Don't know NA Other Yes								
Estimated road overflow & overflopping		Q ₁₀₀ -			Q500 -	Q500 - 18100		
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