Route 207 Ave Stream Big Buffa	la CK	MRM	Da	te 16/14/	/// Ini	tials Z
Bridge Structure No. 36100136 Lo	cation ~	2 mt 11	1-2K	m S	P Car	L. ELL
Bridge Structure No. 36/00/36 Lo GPS coordinates: $\frac{\sqrt{43^{\circ} 49^{\circ} 40^{\circ}0^{\circ}}}{\sqrt{10/^{\circ} 56^{\circ} 23^{\circ}0^{\circ}}}$	taken from:	USL abutmen	t_X	centerline o	of îl MRM	end
Drainage area = 3.()O sq. mi.		orania.co. II	0001	1111021_		
The average bottom of the main channel was	5 6 6 1 -1 -			50	0.0.1	0.1
Mathed and to determine Good G	It belo	w top of guardi	all at a poin	1 -10	_ft from le	it abutment.
Method used to determine flood flows:Freq	. Anai.	_drainage area	ratio	regional reg	ression equ	ations.
MI	SCELLANI	EOUS CONSI	DEDATION	uc.	100	
Flows	$Q_{100} =$	704	DERATIO	Q ₅₀₀ =	12	26
Estimated flow passing through bridge	70-1			(59)		
Estimated road overflow & overtopping	—	201			8	5 2
Consideration	Yes	No	Possibly	Yes	No	Possibly
Chance of overtopping	103		1 0331019	103	140	1 Ossibly
Chance of Pressure flow	1	X	X	$\overline{}$		
Armored appearance to channel	-	V				
Lateral instability of channel		X			X	
Estate in State in the state indivince in the state in the state in the state in the state in th						
Riprap at abutments? Yes	No	Marginal				
Evidence of past Scour? Yes	XNo	Don't know	,			
The state of the s			V.			
Debris Potential?High	X_Med	Low				
		-	n't know n't know	X NA NA		
Bed Materia	l Classification	on Based on Me	edian Particl	e Size (D ₅₀)	,	
Material Silt/Clay Sand		Gravel		Cobbles		Boulders
DAMPER OF PERSONS AND STREET OF STRE	. 00	2.00-64		64-250		
Size range, in mm <0.062 0.062-2	00	2.00-64		04-250		>250
Comments, Diagrams & orientation of digital pho	itos					
15/4/11						
10/4/11 Protos	P 1	but Face dy debri				
2 46.6 5 137 10 236 15 348 11 - USRB 13 - USRB	14- N. A	but				
137	15-115	Faco				
50 236 10- USRB	11 1	1 li				
50 534 ID HALP	16- WOO	dy debri	5			
00 109						
500 11220 13-L. Abut						
Summary of Results						
	Q100			Q500		
Bridge flow evaluated	704			696		
Flow depth at left abutment (yaLT), in feet	5.6			5.6		
Flow depth at right abutment (yaRT), in feet		5.3			5,3	
Contraction scour depth (ycs), in feet		12.4		1	2.4	
Pier scour depth (yps), in feet		4,6			4.6	
Left abutment scour depth (yas), in feet		240			24.0	

Right abutment scour depth (yas), in feet

1Flow angle of attack