PGRM: "RegionA", "RegionB",

1186 21 3711 dda 2, 5211

52/23h

200 1 / 11 /	1. 6 1. 1	1/		711711	-,	n t	
Route 353 Ave Stream South Follows Bridge Structure No. 25220134 Loc	( )nake (	MRM_	Dat	e //15/1	Init	ials // or	_
Bridge Structure No. 25220134 Loc	ation nor	h edge	of tan	Kton or	1 35	Av	
GPS coordinates: $\frac{11 \cdot 45^{\circ} \cdot 2' \cdot 32.5'}{4 \cdot 49^{\circ} \cdot 7' \cdot 27.4'}$	taken from:	USL abutmen	tX_	centerline of	↑ MRM e	nd	
W 290 7' 27,411	Datum of co	ordinates: W	GS84 <u></u> ✓	NAD27_			
Drainage area = 253.35 sq. mi.	7			101			
The average bottom of the main channel was	ft below	v top of guardr	ail at a poin	t_100	ft from lef	ft abutment.	
Method used to determine flood flows:Freq.	Anal.	drainage area	ratio 🗼	regional regre	ession equa	ations.	
							7/2
		OUS CONSI	DERATION	1577	1010	۸	11112
Flows	$Q_{100} = 7200$			$Q_{500} = \frac{ 5 06}{ 5 }$		2 147	
Estimated flow passing through bridge	7200			9006		100	
Estimated road overflow & overtopping	Yes No Possibly			Yes No Possibly		75 1460	
Consideration	Yes	NO	Possibly	ies	140	Possibly	25 3100 50 4670
Chance of overtopping		~					100 7200
Chance of Pressure flow		X	-	<b>&gt;</b>		-	1200
Armored appearance to channel		<del></del>			$\sim$		Soe 15100
Lateral instability of channel							
Does scour countermeasure(s) appear to have been RiprapY.  Spur DikeY.  Other Bed Material  Material Silt/Clay Sand Size range, in mm <0.062 0.062-2.	Med designed?  es Nes Nes Nes Notation	Low  NoDo  NoDo  NoDo  on Based on M  Gravel 2.00-64	n't know n't know n't know edian Partic	NA NA NA		Boulders_ >250	
2), risht ons. 4), pter Slepler scour 6-7), left abutnent 8-10), cient abutnent	11).left o 12). main	channel					
Summary of Results				0500 0 0			٦
	Q100		-0500- P500			4	
Bridge flow evaluated	7200		9006			-	
Flow depth at left abutment (yaLT), in feet	0		0		4		
Flow depth at right abutment (yaRT), in feet	0.4		1,5		-{		
Contraction scour depth (ycs), in feet				5.7			+
Trier scour denin (Vns) in feet	I .	-11		1	2.1		

0

Left abutment scour depth (yas), in feet Right abutment scour depth (yas), in feet

1Flow angle of attack