PGRM: Contract

PGRM: CWCSNEW

PGRM: Pier

GRM: Abutment

11 h3h 95 161 osh 11 5025 18h osb 15.33069 BLAZL'36

Route 142 St Stream Snake C	K	MRM	Dat	e 7/13/14	/2 Init	ials Ral		
Pridge Structure No. 23479 (91) Lo	cation	: W of 10	lacuer o	n 1425	+		_	
CDS appring to 196 196 50 / 1 taken from: USL abutment centerline of 1 MRM end								
Bridge Structure No. 23479 180 Location   Mi W of Warner on 1425+  GPS coordinates: N 45° 19' 50.61' taken from: USL abutment > centerline of 11 MRM end  Datum of coordinates: WGS84 × NAD27								
Drainage area = $306.90$ sq. mi.								
The average bottom of the main channel was 16	ft below	v top of guardr	ail at a point	39	_ft from lef	t abutment.		
Method used to determine flood flows:Freq. Analdrainage area ratioregional regression equations.								
MISCELLANEOUS CONSIDERATIONS 7/7								
		SCELLANEOUS CONSIDERATION			Can a			
Flows	6100 C	Q100 Q25 3540			Q500= Q50 5600			
Estimated flow passing through bridge		3540			1324			
Estimated road overflow & overtopping	Van	O No	Doggibly	Yes	No	Possibly	2 16 5 79 10 11 2< 3	
Consideration	Yes	No	Possibly		INO	Possibly	25 3 50 5	
Chance of overtopping	-	X		X			100 8	
Chance of Pressure flow		X	-	X	×		sec 1	
Armored appearance to channel  Lateral instability of channel		~			×			
							J	
Spur Dike Other Bed Material Material Silt/Clay Sand	en designed? YesN YesN YesN Ol Classification	loDo: loDo: loDo: on Based on M	n't know n't know n't know edian Particl	NANA NA e Size (D <sub>50</sub> ) Cobbles_		Boulders_>250		
1. Left of	2). left ab 13), main c	ntmest scon	4					
Cumming of Results		Q100 C.			Q500	Qra		
Bridge flow evaluated					4276	35/	1	
Flow depth at left abutment (yaLT), in feet		3540 2.5			4,0			
Flow depth at right abutment (yaRT), in feet		Ó			C.Z		1	
Contraction scour depth (ycs), in feet		213 212			313 3.	2	1	
( v v ) ,		7 1					-1	

Bridge flow evaluated	3540	4276
Flow depth at left abutment (yaLT), in feet	2,9	4,0
Flow depth at right abutment (yaRT), in feet	0	C.z
Contraction scour depth (ycs), in feet	2,3 2,2	<del>3,3</del> 3.2
Pier scour depth (yps), in feet	6.1	6,1
Left abutment scour depth (yas), in feet	11,2	13.3
Right abutment scour depth (yas), in feet	0	1
1Flow angle of attack	10	(0