APPENDIX H

RECOMMENDED PRELIMINARY DRAINAGE CROSSING TABLE

TABLE 4 - RECOMMENDED PRELIMINARY CROSSING SIZES

CULVERT ID	SEGMENT ID	DETAILED STUDY ALTERNATIVE ID	CATCHMENT AREA (ac)	DESIGN FLOW (Q_{50} cfs)	CULVERT SIZE	BRIDGE	72" & LARGER	60" & 66" CULVERTS	54" & SMALLER	EXISTING STRUCTURE AT, U/S, OR D/S?	EXISTING STRUCTURE TYPE & SIZE	FLOODPLAIN WIDTH (ft)	FLOODWAY WIDTH (ft)	BASE FLOOD ELEVATION (ft)	FILL HEIGHT ABOVE INVERT (ft)	RECOMMENDED PRELIMINARY STRUCTURE (INCL. 1' BURIED)	CULVERT/RCB LENGTH (ft)	WAS A BRIDGE OPTION EVALUATED AT THIS LOCATION?	ESTIMATED BRIDGE LENGTH (ft)
1	2	C,C1,C2,C3,D,D1,D2,D3	486.60	1394.61	3-(6'x10') RCB		1			At, D/S	At - 2-66" RCP, D/S - 3-142"x91" CMP Arch	-	-		13.3	3-(7'x10') RCB	322	Yes	75
3	18A	A,A1,A2,A3,B,B1,B2,B3	829.66	1562.50	3-(6'x10') RCB		1			U/S	36' Single 42'x5' PPC Crownspan	282	107	668.10	24.1	3-(7'x10') RCB	267	Yes	135
4	2	C,C1,C2,C3,D,D1,D2,D3	116.34	433.50	6'X10' RCB		1			--		-	-		20.8	7'x10' RCB	864	No	
5	18A	A,A1,A2,A3,B,B1,B2,B3	41.32	155.40	60" RCP			1		--		-	-		34.1	72" RCP	368	No	
5A	18A	A,A1,A2,A3,B,B1,B2,B3	1629.48	2628.89	3-(8'x12') RCB		1			At	3-142"x91" CM Pipe Arch	52	52	660.50	11.9	3-(9'x12') RCB	95	Yes	50 (FW)
6	18A	A,A1,A2,A3,B,B1,B2,B3	2385.75	3350.34	3-(10'x10') RCB		1			U/S	36' Single Steel Span on I-beams	458	160	643.40	17.2	3-(11'x10') RCB	252	Yes	135
7	18A	A,A1,A2,A3,B,B1,B2,B3	49.34	194.25	66" RCP			1		--		-	-		17.4	6'x6' RCB	232	No	
8	2	C,C1,C2,C3,D,D1,D2,D3	273.85	1073.27	2-(8'x8') RCB		1			--		316	-	639.00	20.2	2-(9'x8') RCB	358	No	
9	18A	A,A1,A2,A3,B,B1,B2,B3	316.63	999.64	2-(7'x8') RCB		1			--		196	-	638.00	23.8	2-(8'x8') RCB	339	No	
10	2, 18A	ALL	97.43	357.42	6'X7' RCB		1			--		-	-		32.3	7'x7' RCB	280	No	
11	2, 18A	ALL	34.66	137.27	60" RCP			1		--		-	-		16.5	72" RCP	231	No	
12	21	ALL	91.02	334.11	6'X7' RCB		1			--		-	-		31.6	7'x7' RCB	369	No	
13	21	ALL	77.26	282.31	6'X6' RCB		1			--		176	-	617.10	25.1	7'x6' RCB	264	No	
14	21	ALL	502.24	1102.39	2-(8'x8') RCB		1			--		400	-	613.90	31.5	2-(9'x8') RCB	283	No	
15	22A, 30	ALL	51.86	209.79	72" RCP		1			--		-	-		13.7	6'x6' RCB	342	No	
16	30	B,B1,B2,B3,D,D1,D2,D3	95.24	347.06	6'X7' RCB		1			--		-	-		14.4	7'x7' RCB	273	No	
17	22A	A,A1,A2,A3,C,C1,C2,C3	115.93	372.55	6'X8' RCB		1			--		-	-		14.8	7'x8' RCB	259	No	
19	30	B,B1,B2,B3,D,D1,D2,D3	7154.93	6233.42	BRIDGE	1				U/S	110' 3-Span RC Deck on PPC Girders	1300	441	607.50	21.7	150' BRIDGE	222	Yes	150
19A	30	B,B1,B2,B3,D,D1,D2,D3	163.42	513.35	6'X10' RCB		1			--		279	-	607.00	20.9	7'x10' RCB	261	No	
20	30	B,B1,B2,B3,D,D1,D2,D3	7404.50	6318.17	BRIDGE	1				At	3-11'x14' RC Box Culvert	775	73	605.00	15.1	75' BRIDGE	114	Yes	75 (FW)
21	22A	A,A1,A2,A3,C,C1,C2,C3	7410.86	6321.44	BRIDGE	1				U/S	3-11'x14' RC Box Culvert	607	182	603.70	12.4	110' BRIDGE	223	Yes	110
22	22A	A,A1,A2,A3,C,C1,C2,C3	118.78	305.37	6'X6' RCB		1			--		286	-	603.70	12.4	7'x6' RCB	404	No	
22A	22A	A,A1,A2,A3,C,C1,C2,C3	7700.64	6374.90	BRIDGE	1				U/S	3-11'x14' RC Box Culvert	1132	305	601.80	7.5	165' BRIDGE	120	Yes	75
22B	22A	A,A1,A2,A3,C,C1,C2,C3	111.60	331.93	6'X7' RCB		1			--		193	-	599.00	6.3	7'x7' RCB	113	No	
23	22A	A,A1,A2,A3,C,C1,C2,C3	56.19	207.20	72" RCP		1			--		-	-		40.2	6'x6' RCB	549	No	
24	22A, 30	ALL	188.57	490.96	6'X10' RCB		1			--		-	-		28.1	7'x10' RCB	366	No	
25	22A, 30	ALL	43.25	163.17	66" RCP			1		--		-	-		15	6'x6' RCB	235	No	
26	22A, 30	ALL	32.81	129.50	60" RCP			1		--		54	-	588.80	14.6	72" RCP	231	No	
27	31	ALL	2623.03	1576.57	3-(6'x12') RCB		1			D/S	2-128"x83" CM Pipe Arch	329	-	543.50	27.9	3-(7'x12') RCB	249	Yes	175
28	31	ALL	99.45	360.01	6'X7' RCB		1			--		-	-		16.1	7'x7' RCB	553	No	
29	31	ALL	72.43	259.00	6'X6' RCB		1			At		-	-		34.1	7'x6' RCB	471	No	
30	34, 36	ALL	10271.69	6359.83	BRIDGE	1				--		115	-	509.80	47.5	240' BRIDGE	422	Yes	240
31	34, 36	ALL	180.80	470.33	6'X10' RCB		1			--		-	-		20.9	7'x10' RCB	224	No	
32	34, 36	ALL	34.04	132.09	60" RCP			1		--		-	-		13.1	72" RCP	424	No	
33	36	A,A2,B,B2,C,C2,D,D2	70.21	256.41	6'X6' RCB		1			--		-	-		23.3	7'x6' RCB	809	No	
34	34	A1,A3,B1,B3,C1,C3,D1,D3	74.21	269.36	6'X6' RCB		1			--		-	-		11.4	7'x6' RCB	553	No	
35	36	A,A2,B,B2,C,C2,D,D2	82.69	297.85	6'X6' RCB		1			--		-	-		12.4	7'x6' RCB	216	No	
36	36	A,A2,B,B2,C,C2,D,D2	41.17	155.40	60" RCP			1		--		-	-		19.9	72" RCP	218	No	
37	36	A,A2,B,B2,C,C2,D,D2	46172.31	11661.67	BRIDGE	1				--		402	198	464.00	48.9	320' BRIDGE	421	Yes	320
38	36	A,A2,B,B2,C,C2,D,D2	9293.78	4755.65	BRIDGE	1				U/S	47' Single Steel Span on I-beams	472	-	461.00	39.8	280' BRIDGE	297	Yes	280
39	34	A1,A3,B1,B3,C1,C3,D1,D3	55671.84	14257.78	BRIDGE	1				--		1057	-	460.00	57.5	BRIDGE	383	Yes	375
40	36	A,A2,B,B2,C,C2,D,D2	89.16	315.98	6'X7' RCB		1			--		-	-		28.5	7'x7' RCB	744	No	
41	36	A,A2,B,B2,C,C2,D,D2	64.07	238.28	72" RCP		1			--		-	-		8.7	6'x6' RCB	452	No	
42	36	A,A2,B,B2,C,C2,D,D2	48.60	183.89	66" RCP			1		--		-	-		8	6'x6' RCB	104	No	
43	34	A1,A3,B1,B3,C1,C3,D1,D3	74.82	279.72	6'X6' RCB		1			--		77	-	524.20	39.3	7'x6' RCB	194	No	
44	36	A,A2,B,B2,C,C2,D,D2	238.69	660.53	7'x12' RCB		1			--		210	-	517.50	14.9	8'x12' RCB	363	No	
45	34	A1,A3,B1,B3,C1,C3,D1,D3	296.23	734.40	7'x12' RCB		1			--		138	-	508.60	32.8	8'x12' RCB	499	No	
46	34	A1,A3,B1,B3,C1,C3,D1,D3	2018.58	2668.59	3-(8'x12') RCB		1			U/S	2-12'x6' RC Box Culvert	309	66	506.80	25.9	3-(9'x12') RCB	365	Yes	150
47	36	A,A2,B,B2,C,C2,D,D2	1994.29	2649.21	3-(8'x12') RCB		1			D/S	2-12'x6' RC Box Culvert	447	209	509.60	33.4	3-(9'x12') RCB	312	Yes	215
48	36	A,A2,B,B2,C,C2,D,D2	103.83	375.76	6'X8' RCB		1			--		-	-		17.5	7'x8' RCB	222	No	
49	34	A1,A3,B1,B3,C1,C3,D1,D3	101.03	369.62	6'X8' RCB		1			--		-	-		8.8	7'x8' RCB	359	No	
50	40, 41	ALL EXCEPT C	52.96	196.84	66" RCP			1		--		-	-		39.8	6'x6' RCB	182	No	
51	40	A,A1,A3,B,B1,C1,D,D1	134.84	509.24	6'X10' RCB		1			--		-	-		50	7'x10' RCB	531	No	
52	41	A2,B2,B3,C2,C3,D2,D3	184.11	636.80	7'X10' RCB		1			--		-	-		38.1	8'x10' RCB	295	No	
53	40	A,A1,A3,B,B1,C1,D,D1	879.16	1632.12	3-(6'x12') RCB		1			At	2-8'x7' RC Box Culvert	328	38	518.00	20	3-(7'x12') RCB	312	Yes	70
54	41	A2,B2,B3,C2,C3,D2,D3	886.14	1639.91	3-(6'x12') RCB		1			At	2-8'x7' RC Box Culvert	328	38	518.00	15.3	3-(7'x12') RCB	221	Yes	70
						8	39	9	0										