
 INTERACTIVE HEC2 VERSION UPDATED FEB 1976
 ERROR CORRECTIONS 01,02,03,04,05,06,07,08,09
 MODIFICATIONS 50,51,52,53,54,55,56,57,58

F/W Table
3/10/76

C FPM BR REED CREEK FIS
 1 FPMS BR MADISON-MAYODAN FIS
 T2 100-YR-NATURAL
 T3 REED CREEK

J1	ICHECK	INO	NINV	IDIR	STRT	METRIC	HVINS	Q	WSEL	FQ
	-1.	2.	-0.	-0.	-0,000000	-0,00	-0,0	-0.	553,900	-0,000
J2	NPROF	IPLT	PRFVS	XSECV	XSECH	FN	ALLDC	IRW	CHNIM	ITRACE
	1,000	-0,000	-1,000	-0,000	-0,000	-0,000	-0,000	-0,000	-0,000	-0,000
J3	-2,000	200,000	38,000	1,000	50,000	3,000	10,000	11,000	5,000	26,000
J3	10,000	4,000	27,000	28,000	-0,000	-0,000	-0,000	-0,000	-0,000	-0,000
QT	7,000	6500,000	6500,000	10600,000	5100,000	2600,000	6500,000	6500,000	-0,000	-0,000
NC	.150	.150	.050	.200	.400	-0,000	-0,000	-0,000	-0,000	-0,000
ET	-0,000	-0,000	9,100	-0,000	-0,000	-0,000	-0,000	-0,000	1080,000	1720,000
X1	1,000	10,000	1380,000	1413,000	-0,000	-0,000	-0,000	-0,000	-0,000	-0,000
GR	555,000	-0,000	552,000	1000,000	550,000	1365,000	550,000	1380,000	543,400	1380,000
GR	543,400	1413,000	549,500	1413,000	549,500	1425,000	552,000	1000,000	555,000	2400,000
ET	-0,000	-0,000	9,100	-0,000	-0,000	-0,000	-0,000	-0,000	1080,000	1720,000
X1	2,000	-0,000	-0,000	-0,000	5,000	5,000	5,000	-0,000	-0,000	-0,000
ET	-0,000	-0,000	9,100	-0,000	-0,000	-0,000	-0,000	-0,000	1080,000	1720,000
X1	3,000	-0,000	-0,000	-0,000	10,000	10,000	10,000	-0,000	-0,000	-0,000
ET	-0,000	-0,000	9,100	-0,000	-0,000	-0,000	-0,000	-0,000	1080,000	1720,000
X1	4,000	-0,000	-0,000	-0,000	25,000	25,000	25,000	-0,000	-0,000	-0,000
ET	-0,000	-0,000	9,100	-0,000	-0,000	-0,000	-0,000	-0,000	1080,000	1720,000
X1	5,000	-0,000	-0,000	-0,000	60,000	60,000	60,000	-0,000	-0,000	-0,000
NC	.120	.120	.040	-0,000	-0,000	-0,000	-0,000	-0,000	-0,000	-0,000
ET	-0,000	-0,000	9,100	-0,000	-0,000	-0,000	-0,000	-0,000	1380,000	1420,000
X1	168,000	-0,000	-0,000	-0,000	168,000	168,000	168,000	-0,000	-0,000	-0,000
X3	10,000	-0,000	-0,000	-0,000	-0,000	-0,000	-0,000	577,200	576,600	-0,000
SB	.900	1,100	2,500	-0,000	33,000	3,000	480,000	-0,000	543,400	543,400
NC	.100	.100	.040	-0,000	-0,000	-0,000	-0,000	-0,000	-0,000	-0,000
ET	-0,000	-0,000	9,100	-0,000	-0,000	-0,000	-0,000	-0,000	380,000	420,000
X1	232,000	15,000	380,000	413,000	64,000	64,000	64,000	-0,000	-0,000	-0,000
X2	-0,000	-0,000	1,000	559,400	576,600	-0,000	-0,000	-0,000	-0,000	-0,000
X3	10,000	-0,000	-0,000	-0,000	-0,000	-0,000	-0,000	577,200	576,600	-0,000
BT	13,000	-0,000	577,400	-0,000	100,000	577,400	-0,000	200,000	577,300	-0,000
BT	300,000	577,200	-0,000	380,000	577,200	557,000	380,000	577,200	559,400	413,000
BT	577,100	559,400	413,000	577,100	556,000	435,000	577,000	-0,000	500,000	576,800
BT	-0,000	600,000	576,700	-0,000	700,000	576,600	-0,000	800,000	576,600	-0,000
GR	577,400	-0,000	568,700	100,000	559,100	200,000	556,600	300,000	557,000	380,000
GR	543,400	380,000	543,400	413,000	556,000	413,000	556,000	435,000	562,000	445,000
GR	576,000	465,000	576,000	500,000	576,500	600,000	576,600	700,000	576,600	800,000
NC	.150	.150	.060	-0,000	-0,000	-0,000	-0,000	-0,000	-0,000	-0,000

FINAL F/W Table

ET -0,000 -0,000 9,100 -0,000 -0,000 -0,000 -0,000 -0,000 -0,000 330,000 470,000

X1 282,000 -0,000 -0,000 -0,000 50,000 50,000 50,000 -0,000 -0,000 -0,000
ET -0,000 -0,000 9,100 -0,000 -0,000 -0,000 -0,000 -0,000 230,000 440,000

X1 1100,000 14,000 379,000 437,000 950,000 550,000 838,000 -0,000 -0,000 -0,000
GR 584,000 -0,000 569,800 86,000 568,700 100,000 559,100 200,000 556,600 300,000
GR 557,000 379,000 549,800 393,000 551,000 400,000 550,100 410,000 550,100 427,000
GR 556,000 437,000 562,000 446,000 576,800 464,000 580,100 475,000 -0,000 -0,000
ET -0,000 -0,000 9,100 -0,000 -0,000 -0,000 -0,000 -0,000 240,000 440,000

437
379
816

X1 2500,000 -0,000 -0,000 -0,000 1400,000 1400,000 1400,000 -0,000 -0,000 -0,000
NC .100 .150 .060 -0,000 -0,000 -0,000 -0,000 -0,000 -0,000 -0,000
ET -0,000 -0,000 9,100 -0,000 -0,000 -0,000 -0,000 -0,000 100,000 300,000

408
231
178

X1 4000,000 13,000 134,000 189,000 1500,000 1500,000 1500,000 -0,000 -2,000 -0,000
GR 585,300 -0,000 570,400 100,000 568,400 134,000 561,000 144,000 560,400 157,000
GR 560,200 175,000 567,900 189,000 567,300 200,000 566,400 300,000 576,500 340,000
GR 579,000 354,000 584,400 400,000 588,500 430,000 -0,000 -0,000 -0,000 -0,000
ET -0,000 -0,000 9,100 -0,000 -0,000 -0,000 -0,000 -0,000 100,000 300,000

131
155
323
161

X1 5000,000 -0,000 -0,000 -0,000 1000,000 1000,000 1000,000 -0,000 -2,000 -0,000
ET -0,000 -0,000 9,100 -0,000 -0,000 -0,000 -0,000 -0,000 100,000 300,000

X1 5300,000 -0,000 -0,000 -0,000 300,000 300,000 300,000 -0,000 -0,000 -0,000
NC .060 .060 .050 -0,000 -0,000 -0,000 -0,000 -0,000 -0,000 -0,000
ET -0,000 -0,000 9,100 -0,000 -0,000 -0,000 -0,000 -0,000 730,000 1030,000

993
592
1923
130
16

X1 5585,000 17,000 892,000 933,000 285,000 285,000 285,000 -0,000 -0,000 -0,000
X3 10,000 -0,000 -0,000 -0,000 -0,000 -0,000 -0,000 575,700 576,100 -0,000
GR 593,800 -0,000 587,200 100,000 583,400 200,000 580,900 300,000 578,700 400,000
GR 576,200 500,000 572,700 600,000 570,400 700,000 569,500 800,000 569,400 892,000
GR 560,500 892,000 560,500 933,000 566,400 933,000 568,100 1000,000 569,900 1100,000
GR 573,400 1200,000 592,100 1300,000 -0,000 -0,000 -0,000 -0,000 -0,000 -0,000
SB -0,000 1,140 2,500 -0,000 41,000 -0,000 500,000 -0,000 560,500 560,500
ET -0,000 -0,000 9,100 -0,000 -0,000 -0,000 -0,000 -0,000 730,000 1030,000

X1 5615,000 -0,000 -0,000 -0,000 30,000 30,000 30,000 -0,000 -0,000 -0,000
X2 -0,000 -0,000 1,000 572,700 575,700 -0,000 -0,000 -0,000 -0,000 -0,000
X3 10,000 -0,000 -0,000 -0,000 -0,000 -0,000 -0,000 575,700 576,100 -0,000
BT 17,000 -0,000 592,300 -0,000 100,000 587,800 -0,000 200,000 583,700 -0,000
BT 300,000 580,300 -0,000 400,000 577,900 -0,000 500,000 576,500 -0,000 600,000
BT 575,800 -0,000 700,000 575,700 -0,000 800,000 575,700 -0,000 892,000 576,000
BT 569,400 892,000 576,000 572,700 933,000 576,100 572,700 933,000 576,100 566,400
BT 1000,000 577,000 -0,000 1100,000 580,300 -0,000 1200,000 585,900 -0,000 1300,000
BT 592,300 -0,000 -0,000 -0,000 -0,000 -0,000 -0,000 -0,000 -0,000 -0,000
NC .080 .080 .060 -0,000 -0,000 -0,000 -0,000 -0,000 -0,000 -0,000
ET -0,000 -0,000 9,100 -0,000 -0,000 -0,000 -0,000 -0,000 730,000 1030,000

X1 5655,000 18,000 900,000 940,000 40,000 40,000 40,000 -0,000 -0,000 -0,000
GR 593,800 -0,000 587,200 100,000 583,400 200,000 580,900 300,000 578,700 400,000
GR 576,200 500,000 572,700 600,000 570,400 700,000 569,500 800,000 569,400 900,000
GR 560,600 912,000 560,700 920,000 560,500 933,000 566,400 940,000 568,100 1000,000
GR 569,900 1100,000 573,400 1200,000 592,100 1300,000 -0,000 -0,000 -0,000 -0,000
NC .080 .150 .060 -0,000 -0,000 -0,000 -0,000 -0,000 -0,000 -0,000
ET -0,000 -0,000 9,100 -0,000 -0,000 -0,000 -0,000 -0,000 760,000 1060,000

X1 6150,000 -0,000 -0,000 -0,000 495,000 495,000 495,000 -0,000 3,000 -0,000
NC .150 .150 .060 -0,000 -0,000 -0,000 -0,000 -0,000 -0,000 -0,000
ET -0,000 -0,000 9,100 -0,000 -0,000 -0,000 -0,000 -0,000 760,000 1060,000

X1 7150,000 -0,000 -0,000 -0,000 1000,000 1000,000 1000,000 -0,000 4,000 -0,000
ET -0,000 -0,000 9,100 -0,000 -0,000 -0,000 -0,000 -0,000 80,000 230,000

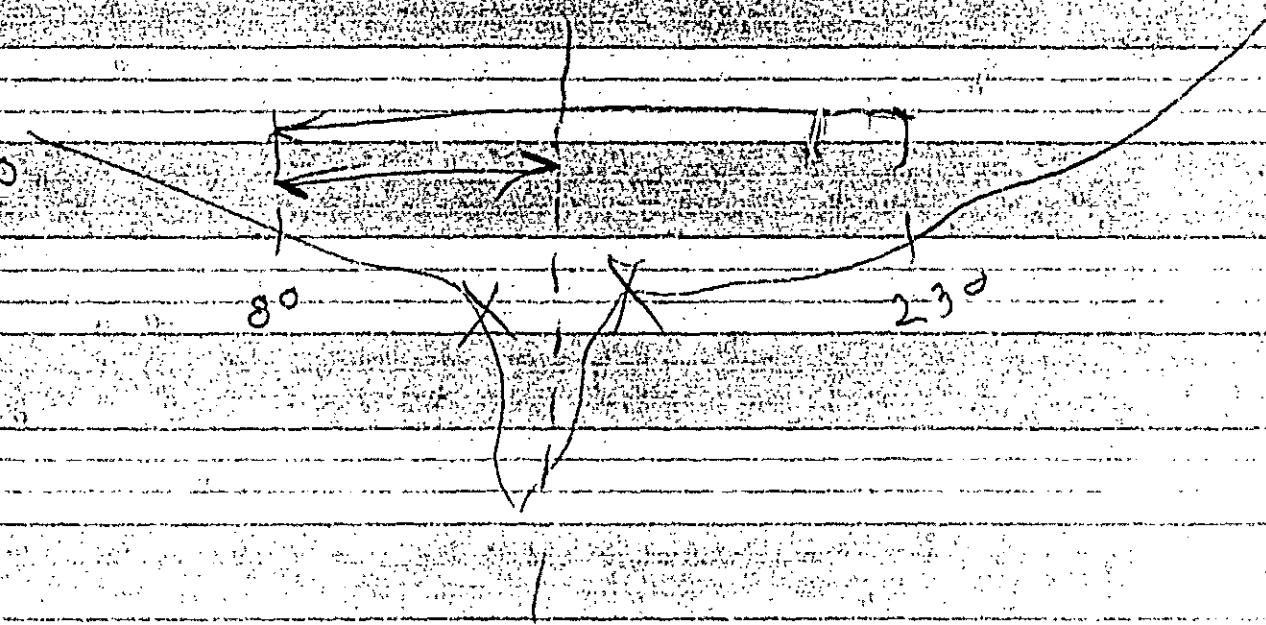
X1 8400,000 11,000 125,000 148,000 1250,000 1250,000 1250,000 -0,000 -0,000 -0,000
GR 600,000 -0,000 582,100 100,000 576,600 125,000 572,500 127,000 571,500 136,000

1470 ENCLOSURE STATIONS 1000 0 1720 0 TYPE 1 TARGET 640 000

GR	571,200	144,000	577,300	148,000	577,700	200,000	578,000	218,000	500,300	257,000
GR	600,700	300,000	-0,000	-0,000	-0,000	-0,000	-0,000	-0,000	-0,000	-0,000
ET	-0,000	-0,000	9,100	-0,000	-0,000	-0,000	-0,000	-0,000	80,000	230,000
X1	8800,000	-0,000	-0,000	-0,000	400,000	400,000	400,000	-0,000	1,800	-0,000
EJ	-0,000	-0,000	-0,000	-0,000	-0,000	-0,000	-0,000	-0,000	-0,000	-0,000

$\frac{120}{110}$
 $\frac{130}{100}$
 $\frac{50}{50}$

$\frac{430}{300}$
 $\frac{50}{50}$



 INTERACTIVE HEC2 VERSION UPDATED FEB 1976
 ERROR-CORRECTIONS 01,02,03,04,05,06,07,08,09
 MODIFICATIONS 50,51,52,53,54,55,56,57,58

T1 FPMS BR MADISON-MAYODAN FIS
 T2 100 YR WITH METHOD 4 FLOODWAYS TRIAL #3
 T3 REED CREEK

J1	ICHECK	INO	NINV	IDIR	STRT	METRIC	HVINS	Q	WSEL	FQ
	-10,	3,	-0,	-0,	-0.000000	-0.00	-0.0	-0,	554.900	-0.000
J2	NPROF	IPL0T	PRFVS	XSECV	XSECH	FN	ALLDC	IBW	GHNIM	ITRAGE
	15.000	-0.000	-1.000	-0.000	-0.000	-0.000	-0.000	-0.000	-0.000	-0.000

*PROF 2
 GCHV= ,200 CEHV= ,400
 *SECNO 1.000

SECNO	DEPTH	QWSEL	CRISW	WSELK	EG	HV	HL	QLOSS	BANK	ELEV
Q	QLOB	QCH	OROB	ALOB	ACH	AROB	VOL	TWA	LEFT/RIGHT	
TIME	VLOB	VCH	VROB	XNL	XNCH	XNR	WTN	ELMIN	SSTA	
SLOPE	XLOBL	XLCH	XLOBR	ITRIAL	IDC	ICONT	CORAR	TOPWID	ENDST	

3470 ENCROACHMENT STATIONS= 1080,0 1720,0 TYPE= 1 TARGET= 640,000
 1.00 11,50 554,90 0,00 554,90 555,18 ,28 0,00 0,00 550,00
 6500, 1739, 2515, 2246, 1247, 380, 1469, 0, 0, 549,50
 0,00 1,39 6,63 1,53 ,150 ,050 ,150 0,000 543,40 1080,00
 ,002955 -0, -0, -0, 0 0 1 0,00 640,00 1720,00

*SECNO 2.000
 3470 ENCROACHMENT STATIONS= 1080,0 1720,0 TYPE= 1 TARGET= 640,000
 2.00 11,52 554,92 0,00 0,00 555,20 ,28 ,01 ,00 550,00
 6500, 1742, 2509, 2249, 1252, 380, 1473, 0, 0, 549,50
 ,00 1,39 6,60 1,53 ,150 ,050 ,150 ,042 543,40 1080,00
 ,002931 5, 5, 5, 0 0 1 0,00 640,00 1720,00

*SECNO 3.000
 3470 ENCROACHMENT STATIONS= 1080,0 1720,0 TYPE= 1 TARGET= 640,000
 3.00 11,55 554,95 0,00 0,00 555,23 ,28 ,03 ,00 550,00
 6500, 1748, 2499, 2253, 1261, 381, 1482, 1, 0, 549,50
 ,00 1,39 6,56 1,52 ,150 ,050 ,150 ,044 543,40 1080,00
 ,002882 10, 10, 10, 0 0 1 0,00 640,00 1720,00

*SECNO 4.000
 3280 CROSS SECTION 4,00 EXTENDED ,04 FEET

3470 ENCROACHMENT STATIONS= 1080,0 1720,0 TYPE= 1 TARGET= 640,000

STATE OF TEXAS
 DEPARTMENT OF COMMERCE
 COMMISSIONERS OF THE GENERAL LAND OFFICE
 LAND AND SURVEY DIVISION
 WITH
 LIST OF
 LANDS

SECTION	TOWNSHIP	RANGE	COUNTY	ACRES	OWNER	DATE	REMARKS
10	10N	10E	TEXAS	36.00	...	...	...
11	10N	10E	TEXAS	36.00	...	...	...
12	10N	10E	TEXAS	36.00	...	...	...
13	10N	10E	TEXAS	36.00	...	...	...
14	10N	10E	TEXAS	36.00	...	...	...
15	10N	10E	TEXAS	36.00	...	...	...
16	10N	10E	TEXAS	36.00	...	...	...
17	10N	10E	TEXAS	36.00	...	...	...
18	10N	10E	TEXAS	36.00	...	...	...
19	10N	10E	TEXAS	36.00	...	...	...
20	10N	10E	TEXAS	36.00	...	...	...
21	10N	10E	TEXAS	36.00	...	...	...
22	10N	10E	TEXAS	36.00	...	...	...
23	10N	10E	TEXAS	36.00	...	...	...
24	10N	10E	TEXAS	36.00	...	...	...
25	10N	10E	TEXAS	36.00	...	...	...
26	10N	10E	TEXAS	36.00	...	...	...
27	10N	10E	TEXAS	36.00	...	...	...
28	10N	10E	TEXAS	36.00	...	...	...
29	10N	10E	TEXAS	36.00	...	...	...
30	10N	10E	TEXAS	36.00	...	...	...

FLOODWAY DATA, REED CREEK
 PROFILE NO. 2

STATION	WIDTH (FT)	FLOODWAY SECTION AREA	MEAN VELOCITY	WATER SURFACE ELEVATION		
				WITH FLOODWAY	WITHOUT FLOODWAY	DIFFERENCE
1.000	640,	3096,	2.1	554.9	553.9	1.0
2.000	640,	3105,	2.1	554.9	553.9	1.0
3.000	640,	3124,	2.1	555.0	554.0	1.0
4.000	640,	3185,	2.0	555.0	554.1	1.0
5.000	640,	3297,	2.0	555.2	554.3	.9
168.000	33,	350,	18.6	554.0	554.0	.0
232.000	33,	495,	13.1	558.4	558.4	.0
282.000	112,	812,	8.0	560.1	560.8	-.7
1100.000	210,	1928,	3.4	564.8	564.3	.4
2500.000	200,	1478,	4.4	568.3	568.0	.3
4000.000	200,	1791,	3.6	573.0	572.7	.3
5000.000	200,	1839,	3.5	575.2	575.0	.2
5300.000	200,	1969,	3.3	575.9	575.6	.2
5585.000	300,	2603,	2.5	576.4	576.1	.3
5615.000	300,	2918,	2.2	577.4	577.4	.1
5655.000	300,	2822,	2.3	577.4	577.4	.1
6150.000	300,	2080,	3.1	577.9	577.6	.3
7150.000	300,	1801,	3.6	580.9	580.0	.9
8400.000	150,	1374,	4.7	587.3	587.1	.2
8800.000	150,	1434,	4.5	589.5	589.3	.1

CONTINUOUS FLOODWAY DESIGN BY KODAK SURVEYING INSTRUMENTS, INC.

SUMMARY PRINTOUT

REED CREEK

SECNO	CWSEL	DIFWSP	EG	HV	HL	10K*S	VCH	HV	TOPWID	STENCL	STENCR
1.00	553.90	0.00	554.17	.27	0.00	34.58	6.75	.27	1886.67	0.00	0.0
1.00	554.90	1.00	555.18	.28	0.00	29.55	6.63	.28	640.00	1080.00	1720.0
2.00	553.92	0.00	554.18	.26	.02	34.03	6.70	.26	1894.73	0.00	0.0
2.00	554.92	.99	555.20	.28	.01	29.31	6.60	.28	640.00	1080.00	1720.0
3.00	553.98	0.00	554.22	.25	.03	32.26	6.55	.25	1921.71	0.00	0.0
3.00	554.95	.98	555.23	.28	.03	28.82	6.56	.28	640.00	1060.00	1720.0
4.00	554.08	0.00	554.30	.22	.08	29.20	6.27	.22	1972.47	0.00	0.0
4.00	555.04	.96	555.30	.26	.07	27.33	6.42	.26	640.00	1080.00	1720.0
5.00	554.29	0.00	554.47	.18	.16	24.17	5.78	.18	2070.68	0.00	0.0
5.00	555.22	.93	555.46	.24	.16	24.82	6.18	.24	640.00	1080.00	1720.0
• 168.00	554.03	0.00	559.36	5.34	.88	184.13	18.54	5.34	33.00	0.00	0.0
• 168.00	554.00	-.02	559.36	5.36	.89	185.34	18.58	5.36	33.00	1380.00	1420.0
• 232.00	558.40	0.00	561.08	2.68	1.72	75.88	13.13	2.68	33.00	0.00	0.0
• 232.00	558.40	.00	561.08	2.68	1.72	75.88	13.13	2.68	33.00	380.00	420.0
282.00	560.76	0.00	561.76	1.00	.35	63.54	8.97	1.00	260.24	0.00	0.0
282.00	560.06	-.70	561.71	1.65	.43	96.90	10.77	1.65	111.77	330.00	470.0
1100.00	564.33	0.00	564.69	.36	2.80	19.83	5.81	.36	303.37	0.00	0.0
1100.00	564.75	.42	565.14	.39	3.18	19.60	5.90	.39	210.00	230.00	440.0
2500.00	567.98	0.00	568.61	.63	3.81	39.70	7.41	.63	281.84	0.00	0.0
2500.00	568.32	.34	568.98	.66	3.73	38.36	7.43	.66	200.00	240.00	440.0
4000.00	572.73	0.00	573.13	.40	4.47	23.16	6.12	.40	262.06	0.00	0.0
4000.00	572.99	.26	573.41	.42	4.38	22.97	6.18	.42	200.00	100.00	300.0
5000.00	574.98	0.00	575.35	.37	2.22	21.28	5.95	.37	264.69	0.00	0.0
5000.00	575.23	.25	575.62	.40	2.21	21.30	6.03	.40	200.00	100.00	300.0
5300.00	575.62	0.00	575.94	.31	.57	17.17	5.52	.31	271.57	0.00	0.0
5300.00	575.87	.25	576.21	.34	.58	17.43	5.63	.34	200.00	100.00	300.0
5585.00	576.10	0.00	576.15	.05	.16	2.69	2.48	.05	711.64	0.00	0.0
5585.00	576.39	.29	576.50	.11	.25	5.12	3.46	.11	300.00	730.00	1030.0
5615.00	577.37	0.00	577.40	.03	1.26	1.53	1.97	.03	768.19	0.00	0.0
5615.00	577.44	.07	577.53	.09	1.02	3.58	3.02	.09	300.00	730.00	1030.0
5655.00	577.38	0.00	577.41	.03	.01	2.73	2.30	.03	768.58	0.00	0.0
5655.00	577.45	.07	577.55	.10	.02	6.38	3.52	.10	300.00	730.00	1030.0
6150.00	577.57	0.00	577.73	.16	.27	15.86	4.82	.16	659.82	0.00	0.0
6150.00	577.88	.30	578.18	.30	.55	23.52	5.96	.30	300.00	760.00	1060.0
7150.00	580.02	0.00	580.63	.61	2.72	56.82	8.32	.61	598.17	0.00	0.0
7150.00	580.94	.92	581.55	.61	3.25	47.72	8.06	.61	300.00	760.00	1060.0

SECNO	CWSEL	DIFWSP	EG	HV	HL	10K*S	VCH	HV	TOPWID	STENCL	STENCR
8400.00	587.08	0.00	587.89	.81	7.18	58.08	9.72	.81	178.86	0.00	0.0
8400.00	587.27	.19	588.07	.80	6.44	55.85	9.61	.80	150.00	80.00	230.0
8800.00	589.35	0.00	590.07	.72	2.16	50.21	9.23	.72	163.11	0.00	0.0
8800.00	589.46	.11	590.19	.73	2.10	49.58	9.22	.73	150.00	80.00	230.0

POSSIBLE ERROR SECNO= 168.00 PROFILE= 1 CRITICAL DEPTH ASSUMED

POSSIBLE ERROR SECNO= 168.00 PROFILE= 1 20 TRIALS REQUIRED TO BALANCE WSEL

POSSIBLE ERROR SECNO= 168.00 PROFILE= 2 CRITICAL DEPTH ASSUMED

POSSIBLE ERROR SECNO= 168.00 PROFILE= 2 20 TRIALS REQUIRED TO BALANCE WSEL

CONTINUED ON NEXT PAGE

 INTERACTIVE HEC2 VERSION UPDATED FEB 1976
 ERROR CORRECTIONS 01,02,03,04,05,06,07,08,09
 MODIFICATIONS 50,51,52,53,54,55,56,57,58

F-W
 3/18

C FPM BR REED CREEK FIS
 1 FPM BR MADISON-MAYODAN FIS
 T2 100 YR NATURAL
 T3 REED CREEK

J1	ICHECK	INO	NINV	IDIR	STRT	METRIC	HVINS	Q	WSEL	FO
	-1.	2.	-0.	-0.	-0.00000	-0.00	-0.0	-0.	553.900	-0.000
J2	NPROF	IPL0T	PRFVS	XSECV	XSECH	FN	ALLDC	IRW	CHNIM	ITRACE
	1.000	0.000	1.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
J3	-2.000	200.000	38.000	1.000	50.000	3.000	10.000	11.000	5.000	26.000
J3	10.000	4.000	27.000	28.000	53.000	54.000	-0.000	-0.000	-0.000	-0.000
QT	7.000	6500.000	6500.000	10600.000	5100.000	2600.000	6500.000	6500.000	-0.000	-0.000
NC	.150	.150	.050	.200	.400	-0.000	-0.000	-0.000	-0.000	-0.000
ET	-0.000	-0.000	9.100	-0.000	-0.000	-0.000	-0.000	-0.000	1380.000	1420.000
X1	1.000	10.000	1380.000	1413.000	-0.000	-0.000	-0.000	-0.000	-0.000	-0.000
GR	555.000	-0.000	552.000	1000.000	550.000	1365.000	550.000	1380.000	543.400	1380.000
GR	543.400	1413.000	549.500	1413.000	549.500	1425.000	552.000	2000.000	555.000	2400.000
ET	-0.000	-0.000	9.100	-0.000	-0.000	-0.000	-0.000	-0.000	1380.000	1420.000
X1	2.000	-0.000	-0.000	-0.000	5.000	5.000	5.000	-0.000	-0.000	-0.000
ET	-0.000	-0.000	9.100	-0.000	-0.000	-0.000	-0.000	-0.000	1380.000	1420.000
X1	3.000	-0.000	-0.000	-0.000	10.000	10.000	10.000	-0.000	-0.000	-0.000
ET	-0.000	-0.000	9.100	-0.000	-0.000	-0.000	-0.000	-0.000	1380.000	1420.000
X1	4.000	-0.000	-0.000	-0.000	25.000	25.000	25.000	-0.000	-0.000	-0.000
ET	-0.000	-0.000	9.100	-0.000	-0.000	-0.000	-0.000	-0.000	1380.000	1420.000
X1	5.000	-0.000	-0.000	-0.000	60.000	60.000	60.000	-0.000	-0.000	-0.000
ET	-0.000	-0.000	9.100	-0.000	-0.000	-0.000	-0.000	-0.000	1380.000	1420.000
NC	.120	.120	.040	-0.000	-0.000	-0.000	-0.000	-0.000	-0.000	-0.000
X1	168.000	-0.000	-0.000	-0.000	168.000	168.000	168.000	-0.000	-0.000	-0.000
X3	10.000	-0.000	-0.000	-0.000	-0.000	-0.000	-0.000	577.200	576.600	-0.000
SB	.900	1.100	2.500	-0.000	33.000	3.000	480.000	-0.000	543.400	543.400
ET	-0.000	-0.000	9.100	-0.000	-0.000	-0.000	-0.000	-0.000	380.000	420.000
NC	.100	.100	.040	-0.000	-0.000	-0.000	-0.000	-0.000	-0.000	-0.000
X1	232.000	15.000	380.000	413.000	64.000	64.000	64.000	-0.000	-0.000	-0.000
X2	-0.000	-0.000	1.000	559.400	576.600	-0.000	-0.000	-0.000	-0.000	-0.000
X3	10.000	-0.000	-0.000	-0.000	-0.000	-0.000	-0.000	577.200	576.600	-0.000
BT	13.000	-0.000	577.400	-0.000	100.000	577.400	-0.000	200.000	577.300	-0.000
BT	300.000	577.200	-0.000	380.000	577.200	557.000	380.000	577.200	559.400	413.000
BT	577.100	559.400	413.000	577.100	556.000	435.000	577.000	-0.000	500.000	576.800
BT	-0.000	600.000	576.700	-0.000	700.000	576.600	-0.000	800.000	576.600	-0.000
GR	577.400	-0.000	568.700	100.000	559.100	200.000	556.600	300.000	557.000	380.000
GR	543.400	380.000	543.400	413.000	556.000	413.000	556.000	435.000	562.000	445.000
GR	576.000	465.000	576.000	500.000	576.500	600.000	576.600	700.000	576.600	800.000

CONTINUED FROM PREVIOUS PAGE

X1	282,000	-0,000	-0,000	-0,000	50,000	50,000	50,000	-0,000	-0,000	-0,000
ET	-0,000	-0,000	9,100	-0,000	-0,000	-0,000	-0,000	-0,000	230,000	440,000
X1	1100,000	14,000	379,000	437,000	950,000	550,000	838,000	-0,000	-0,000	-0,000
GR	584,000	-0,000	569,800	86,000	568,700	100,000	559,100	200,000	556,600	300,000
GR	557,000	379,000	549,800	393,000	551,000	400,000	550,100	410,000	550,100	427,000
GR	556,000	437,000	562,000	446,000	576,800	464,000	580,100	475,000	-0,000	-0,000
ET	-0,000	-0,000	9,100	-0,000	-0,000	-0,000	-0,000	-0,000	240,000	440,000
X1	2500,000	-0,000	-0,000	-0,000	1400,000	1400,000	1400,000	-0,000	5,500	-0,000
NC	,100	,150	,060	-0,000	-0,000	-0,000	-0,000	-0,000	-0,000	-0,000
ET	-0,000	-0,000	9,100	-0,000	-0,000	-0,000	-0,000	-0,000	100,000	300,000
X1	4000,000	13,000	134,000	189,000	1500,000	1500,000	1500,000	-0,000	-2,000	-0,000
GR	585,300	-0,000	570,400	100,000	568,400	134,000	561,000	144,000	560,400	157,000
GR	560,200	175,000	567,500	189,000	567,300	200,000	566,400	300,000	576,500	340,000
GR	579,000	354,000	584,400	400,000	588,500	430,000	-0,000	-0,000	-0,000	-0,000
ET	-0,000	-0,000	9,100	-0,000	-0,000	-0,000	-0,000	-0,000	100,000	300,000
X1	5000,000	-0,000	-0,000	-0,000	1000,000	1000,000	1000,000	-0,000	-2,000	-0,000
ET	-0,000	-0,000	9,100	-0,000	-0,000	-0,000	-0,000	-0,000	100,000	300,000
X1	5300,000	-0,000	-0,000	-0,000	300,000	300,000	300,000	-0,000	-0,000	-0,000
NC	,060	,060	,050	-0,000	-0,000	-0,000	-0,000	-0,000	-0,000	-0,000
ET	-0,000	-0,000	9,100	-0,000	-0,000	-0,000	-0,000	-0,000	730,000	1030,000
X1	5585,000	17,000	892,000	933,000	285,000	285,000	285,000	-0,000	-0,000	-0,000
X3	10,000	-0,000	-0,000	-0,000	-0,000	-0,000	-0,000	575,700	576,100	-0,000
GR	593,800	-0,000	587,200	100,000	583,400	200,000	580,900	300,000	578,700	400,000
GR	576,200	500,000	572,700	600,000	570,400	700,000	569,500	800,000	569,400	892,000
GR	560,500	892,000	560,500	933,000	566,400	933,000	568,100	1000,000	569,900	1100,000
GR	573,400	1200,000	592,100	1300,000	-0,000	-0,000	-0,000	-0,000	-0,000	-0,000
SB	-0,000	1,140	2,500	-0,000	41,000	-0,000	500,000	-0,000	560,500	560,500
ET	-0,000	-0,000	9,100	-0,000	-0,000	-0,000	-0,000	-0,000	730,000	1030,000
X1	5615,000	-0,000	-0,000	-0,000	30,000	30,000	30,000	-0,000	-0,000	-0,000
X2	-0,000	-0,000	1,000	572,700	575,700	-0,000	-0,000	-0,000	-0,000	-0,000
X3	10,000	-0,000	-0,000	-0,000	-0,000	-0,000	-0,000	575,700	576,100	-0,000
BT	17,000	-0,000	592,300	-0,000	100,000	587,800	-0,000	200,000	583,700	-0,000
BT	300,000	580,300	-0,000	400,000	577,900	-0,000	500,000	576,500	-0,000	600,000
BT	575,800	-0,000	700,000	575,700	-0,000	800,000	575,700	-0,000	892,000	576,000
BT	569,400	892,000	576,000	572,700	933,000	576,100	572,700	933,000	576,100	566,400
BT	1000,000	577,000	-0,000	1100,000	580,300	-0,000	1200,000	585,900	-0,000	1300,000
ET	592,300	-0,000	-0,000	-0,000	-0,000	-0,000	-0,000	-0,000	-0,000	-0,000
NC	,080	,080	,060	-0,000	-0,000	-0,000	-0,000	-0,000	-0,000	-0,000
ET	-0,000	-0,000	9,100	-0,000	-0,000	-0,000	-0,000	-0,000	730,000	1030,000
X1	5655,000	18,000	900,000	940,000	40,000	40,000	40,000	-0,000	-0,000	-0,000
GR	593,800	-0,000	587,200	100,000	583,400	200,000	580,900	300,000	578,700	400,000
GR	576,200	500,000	572,700	600,000	570,400	700,000	569,500	800,000	569,400	900,000
GR	560,600	912,000	560,700	920,000	560,500	933,000	566,400	940,000	568,100	1000,000
GR	569,900	1100,000	573,400	1200,000	592,100	1300,000	-0,000	-0,000	-0,000	-0,000
NC	,080	,150	,060	-0,000	-0,000	-0,000	-0,000	-0,000	-0,000	-0,000
ET	-0,000	-0,000	9,100	-0,000	-0,000	-0,000	-0,000	-0,000	760,000	1060,000
X1	6150,000	-0,000	-0,000	-0,000	495,000	495,000	495,000	-0,000	3,000	-0,000
NC	,150	,150	,060	-0,000	-0,000	-0,000	-0,000	-0,000	-0,000	-0,000
ET	-0,000	-0,000	9,100	-0,000	-0,000	-0,000	-0,000	-0,000	760,000	1060,000
X1	7150,000	-0,000	-0,000	-0,000	1000,000	1000,000	1000,000	-0,000	4,000	-0,000
ET	-0,000	-0,000	9,100	-0,000	-0,000	-0,000	-0,000	-0,000	80,000	230,000
X1	8400,000	11,000	125,000	148,000	1250,000	1250,000	1250,000	-0,000	-0,000	-0,000
GR	600,900	-0,000	582,100	100,000	576,600	125,000	572,500	127,000	571,500	136,000
GR	571,200	144,000	577,300	148,000	577,700	200,000	578,000	218,000	588,300	257,000
GR	600,700	300,000	-0,000	-0,000	-0,000	-0,000	-0,000	-0,000	-0,000	-0,000
ET	-0,000	-0,000	9,100	-0,000	-0,000	-0,000	-0,000	-0,000	80,000	230,000
X1	8800,000	-0,000	-0,000	-0,000	400,000	400,000	400,000	-0,000	1,800	-0,000
EJ	-0,000	-0,000	-0,000	-0,000	-0,000	-0,000	-0,000	-0,000	-0,000	-0,000

COMPUTER GENERATED BY MICRO SYSTEMS, INC.

 INTERACTIVE HEC2 VERSION UPDATED FEB 1976
 ERROR CORRECTIONS 01,02,03,04,05,06,07,08,09
 MODIFICATIONS 50,51,52,53,54,55,56,57,58

T1 FPMS BR MADISON-MAYODAN FIS
 T2 100 YR WITH METHOD 4 FLOODWAYS TRIAL =3
 T3 REED CREEK

J1 ICHECK INQ NINV IDIR STRT METRIC HVINS 0 WSEL FQ
 -10. 3. -0. -0. -0.000000 -0.00 -0.0 -0. 554.900 -0.000
 J2 NPROF IPLOT PRFVS XSECV XSECH FN ALLDC IBW CHNIM ITRACE
 15.000 -0.000 -1.000 -0.000 -0.000 -0.000 -0.000 -0.000 -0.000 -0.000

*PROF 2

GCHV= .200 CEHV= .400

*SECNO 1.000

SECNO	DEPTH	QWSEL	CRWS	WSELK	EO	HV	HL	QLOSS	BANK ELEV
Q	QLOB	QCH	QROB	ALOB	ACH	AROB	VOL	TWA	LEFT/RIGHT
TIME	VLOB	VCH	VROB	XNL	XNCH	XNR	WTN	ELMIN	SSTA
SLOPE	XLOBL	XLCH	XLOBR	ITRIAL	IDC	ICONT	CORAR	TOPWID	ENDST

3470 ENCROACHMENT STATIONS= 1380.0 1420.0 TYPE= 1 TARGET= 40.000
 1.00 11.50 554.90 0.00 554.90 559.12 4.22 0.00 0.00 550.00
 6500. 0. 6331. 169. 0. 380. 38. 0. 0. 549.50
 0.00 0.00 16.68 4.47 .150 .050 .150 0.000 543.40 1380.00
 .021460 -0. -0. -0. 0 0 1 0.00 40.00 1420.00

*SECNO 2.000

3280 CROSS SECTION 2.00 EXTENDED .59 FEET

3470 ENCROACHMENT STATIONS= 1380.0 1420.0 TYPE= 1 TARGET= 40.000
 2.00 12.20 555.60 0.00 0.00 559.31 3.72 .10 .10 550.00
 6500. 0. 6312. 188. 0. 402. 43. 0. 0. 549.50
 .00 0.00 15.69 4.42 .150 .050 .150 .042 543.40 1380.00
 .017871 5. 5. 5. 4 0 1 0.00 40.00 1420.00

*SECNO 3.000

3280 CROSS SECTION 3.00 EXTENDED 1.21 FEET

3470 ENCROACHMENT STATIONS= 1380.0 1420.0 TYPE= 1 TARGET= 40.000
 3.00 12.81 556.21 0.00 0.00 559.55 3.35 .17 .07 550.00
 6500. 0. 6295. 205. 0. 423. 47. 0. 0. 549.50
 .00 0.00 14.89 4.36 .150 .050 .150 .044 543.40 1380.00
 .015329 10. 10. 10. 3 0 1 0.00 40.00 1420.00

COMPILED BY: JAMES R. ...

FLOODWAY DATA, REED CREEK
 PROFILE NO. 2

STATION	WIDTH (FT)	FLOODWAY SECTION AREA	MEAN VELOCITY	WATER SURFACE ELEVATION		DIFFERENCE
				WITH FLOODWAY	WITHOUT FLOODWAY	
1.000	40.	417.	15.6	554.9	553.9	1.0
2.000	40.	445.	14.6	559.6	553.9	1.7
3.000	40.	470.	13.8	556.2	554.0	2.2
4.000	40.	505.	12.9	557.1	554.1	3.0
5.000	40.	555.	11.7	558.3	554.3	4.0
168.000	33.	536.	12.1	559.6	554.0	5.6
232.000	33.	573.	11.3	560.8	558.4	2.4
282.000	284.	1854.	3.5	562.7	560.8	2.0
1100.000	210.	1975.	3.3	565.0	564.3	.6
2500.000	200.	1488.	4.4	568.4	568.0	.4
4000.000	200.	1792.	3.6	573.0	572.7	.3
5000.000	200.	1839.	3.5	575.2	575.0	.2
5300.000	200.	1970.	3.3	575.9	575.6	.3
5585.000	300.	2603.	2.5	576.4	576.1	.3
5615.000	300.	2918.	2.2	577.4	577.4	.1
5655.000	300.	2822.	2.3	577.4	577.4	.1
6150.000	300.	2080.	3.1	577.9	577.6	.3
7150.000	300.	1801.	3.6	580.9	580.0	.9
8400.000	150.	1374.	4.7	587.3	587.1	.2
8800.000	150.	1434.	4.5	589.5	589.3	.1

CONSULTING ENGINEERS
 1000 RIVERSIDE DRIVE, N.W.
 ATLANTA, GEORGIA 30303

SUMMARY PRINTOUT

REED CREEK

SECNO	CWSEL	DIFWSP	EG	HV	HL	10K*S	VCH	HV	TOPWID	STENCL	STENCR
1.00	553.90	0.00	554.17	.27	0.00	34.58	6.75	.27	1886.67	0.00	0.0
1.00	554.90	1.00	559.12	4.22	0.00	214.60	16.68	4.22	40.00	1380.00	1420.0
2.00	553.92	0.00	554.18	.26	.02	34.03	6.70	.26	1894.73	0.00	0.0
2.00	555.60	1.67	559.31	3.72	.10	178.71	15.69	3.72	40.00	1380.00	1420.0
3.00	553.98	0.00	554.22	.25	.03	32.26	6.55	.25	1921.71	0.00	0.0
3.00	556.21	2.23	559.55	3.35	.17	153.29	14.89	3.35	40.00	1380.00	1420.0
4.00	554.08	0.00	554.30	.22	.08	29.20	6.27	.22	1972.47	0.00	0.0
4.00	557.09	3.00	559.99	2.90	.34	124.74	13.89	2.90	40.00	1380.00	1420.0
5.00	554.29	0.00	554.47	.18	.16	24.17	5.78	.18	2070.68	0.00	0.0
5.00	558.34	4.04	560.74	2.40	.65	95.22	12.66	2.40	40.00	1380.00	1420.0
168.00	554.03	0.00	559.36	5.34	.88	184.13	18.54	5.34	33.00	0.00	0.0
168.00	559.63	5.60	561.91	2.29	1.15	51.71	12.13	2.29	33.00	1380.00	1420.0
232.00	558.40	0.00	561.08	2.68	1.72	75.88	13.13	2.68	33.00	0.00	0.0
232.00	560.76	2.36	562.76	2.00	.85	49.08	11.34	2.00	33.00	380.00	420.0
282.00	560.76	0.00	561.76	1.00	.35	63.54	8.97	1.00	260.24	0.00	0.0
282.00	562.73	1.97	563.25	.52	.20	32.87	6.93	.52	283.83	0.00	0.0
1100.00	564.33	0.00	564.69	.36	2.80	19.83	5.81	.36	303.37	0.00	0.0
1100.00	564.98	.65	565.35	.37	2.07	18.31	5.77	.37	210.00	230.00	440.0
2500.00	567.98	0.00	568.61	.63	3.81	39.70	7.41	.63	281.84	0.00	0.0
2500.00	568.37	.39	569.02	.65	3.56	37.70	7.39	.65	200.00	240.00	440.0
4000.00	572.73	0.00	573.13	.40	4.47	23.16	6.12	.40	262.06	0.00	0.0
4000.00	573.00	.26	573.41	.42	4.34	22.92	6.18	.42	200.00	100.00	500.0
5000.00	574.98	0.00	575.35	.37	2.22	21.28	5.95	.37	264.69	0.00	0.0
5000.00	575.23	.25	575.63	.40	2.21	21.28	6.02	.40	200.00	100.00	500.0
5300.00	575.62	0.00	575.94	.31	.57	17.17	5.52	.31	271.57	0.00	0.0
5300.00	575.87	.25	576.21	.34	.58	17.42	5.63	.34	200.00	100.00	500.0
5585.00	576.10	0.00	576.15	.05	.16	2.69	2.48	.05	711.64	0.00	0.0
5585.00	576.39	.29	576.50	.11	.25	5.12	3.46	.11	300.00	730.00	1030.0
5615.00	577.37	0.00	577.40	.03	1.26	1.53	1.97	.03	768.19	0.00	0.0
5615.00	577.44	.07	577.53	.09	1.02	3.58	3.02	.09	300.00	730.00	1030.0
5655.00	577.38	0.00	577.41	.03	.01	2.73	2.30	.03	768.58	0.00	0.0
5655.00	577.45	.07	577.55	.10	.02	6.37	3.52	.10	300.00	730.00	1030.0
6150.00	577.57	0.00	577.73	.16	.27	15.86	4.82	.16	659.82	0.00	0.0
6150.00	577.88	.30	578.18	.30	.55	23.51	5.96	.30	300.00	760.00	1060.0
7150.00	580.02	0.00	580.63	.61	2.72	56.82	8.32	.61	598.17	0.00	0.0
7150.00	580.94	.92	581.55	.61	3.25	47.72	8.06	.61	300.00	760.00	1060.0

COMPUTER PRINTOUT © MOORE BUSINESS FORMS, INC.

SECNO	CWSEL	DIFWSP	EG	HV	HL	10K+S	VCH	HV	TOPWID	STENCL	STENCR
8400.00	587.08	0.00	587.89	.31	7.18	58.08	9.72	.81	178.86	0.00	0.0
8400.00	587.27	.19	588.07	.80	6.44	55.85	9.61	.80	150.00	80.00	230.0
8800.00	589.35	0.00	590.07	.72	2.16	50.21	9.23	.72	183.11	0.00	0.0
8800.00	589.46	.11	590.19	.73	2.10	49.58	9.22	.73	150.00	80.00	230.0

CONTINUED INTERSECTION 2 MOORE ROAD 10000, N.C.

SUMMARY PRINTOUT

REED CREEK

ENDST

2253.33

1420.00

2255.64

1420.00

2263.35

1420.00

2277.85

1420.00

2305.91

1420.00

1413.00

1413.00

413.00

413.00

442.94

446.04

448.84

440.00

446.59

440.00

332.99

300.00

333.97

300.00

336.52

300.00

1214.45

1030.00

1221.25

1030.00

1221.29

1030.00

1206.28

1060.00

1189.09

1060.00

COMPUTER SOFTWARE © MOORE BUSINESS FORMS, INC.

ENDST
252.38
230.00
254.14
230.00

POSSIBLE ERROR SECNO= 168.00 PROFILE= 1 CRITICAL DEPTH ASSUMED

POSSIBLE ERROR SECNO= 168.00 PROFILE= 1 20 TRIALS REQUIRED TO BALANCE WSEL

 INTERACTIVE HEC2 VERSION UPDATED FEB 1976
 ERROR CORRECTIONS 01,02,03,04,05,06,07,08,09
 MODIFICATIONS 50,51,52,53,54,55,56,57,58

Find
F-W Table
3/12/67

C FPM-ER REED-CREEK-FIS
 1 FPMS-PR MADISON-MAYODAN-FIS
 12 100-YR-NATURAL
 13 REED-CREEK

J1	ICHECK	ING	NIMV	IDIR	STRT	METRIC	HVINS	0	WSEL	FO
1	2	0	0	0.000000	0.00	0.0	0	560.300	0.000	
J2	NPROF	IPLDT	PRFVS	XSECV	XSECH	FN	ALLDC	IBW	CHNIM	ITRACE
1	0.000	0.000	1.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
J3	1.000	200.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
J4	1.000	10.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
QT	7.000	6500.000	6500.000	10600.000	5100.000	2600.000	6500.000	6500.000	0.000	0.000
NC	.060	.060	.050	.200	.400	0.000	0.000	0.000	0.000	0.000
ET	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	1380.000	1420.000
X1	160.000	10.000	1380.000	1413.000	0.000	0.000	0.000	0.000	0.000	0.000
X3	10.000	0.000	0.000	0.000	0.000	0.000	0.000	577.200	576.600	0.000
GR	555.000	0.000	552.000	1000.000	550.000	1365.000	550.000	1380.000	543.400	1380.000
GR	543.400	1413.000	549.500	1413.000	549.500	1425.000	552.000	2000.000	555.000	2400.000
SB	.900	1.100	2.500	0.000	33.000	3.000	480.000	0.000	543.400	543.400
FT	0.000	0.000	0.100	0.000	0.100	0.000	0.000	0.000	380.000	420.000
X1	232.000	15.000	380.000	413.000	64.000	64.000	64.000	0.000	0.000	0.000
X2	0.000	0.000	1.000	559.400	576.600	0.000	0.000	0.000	0.000	0.000
X3	10.000	0.000	0.000	0.000	0.000	0.000	0.000	577.200	576.600	0.000
BT	13.000	0.000	577.400	0.000	100.000	577.400	0.000	200.000	577.300	0.000
BT	300.000	577.200	0.000	380.000	577.200	557.000	380.000	577.200	559.400	413.000
BT	577.100	559.400	413.000	577.100	556.000	435.000	577.000	0.000	500.000	576.800
BT	0.000	600.000	576.700	0.000	700.000	576.600	0.000	800.000	576.600	0.000
GR	577.400	0.000	563.700	100.000	559.100	200.000	556.600	300.000	557.000	380.000
GR	543.400	380.000	543.400	413.000	556.000	413.000	556.000	435.000	562.000	445.000
GR	576.000	465.000	576.000	500.000	576.500	600.000	576.600	700.000	576.600	800.000
NC	.150	.150	.060	0.000	0.000	0.000	0.000	0.000	0.000	0.000
ET	0.000	0.000	0.100	0.000	0.000	0.000	0.000	0.000	230.000	440.000
X1	1100.000	10.000	270.000	437.000	1000.000	600.000	868.000	0.000	0.000	0.000
GR	584.000	0.000	560.000	86.000	568.700	100.000	559.100	200.000	556.600	300.000
GR	557.000	437.000	540.400	393.000	551.000	600.000	550.100	410.000	550.100	427.000
GR	556.000	437.000	560.000	440.000	576.800	464.000	580.100	475.000	0.000	0.000
ET	0.000	0.000	0.100	0.000	0.000	0.000	0.000	0.000	240.000	440.000
X1	2500.000	0.000	0.000	0.000	1400.000	1400.000	1400.000	0.000	5.500	0.000
NC	.100	.150	.060	0.000	0.000	0.000	0.000	0.000	0.000	0.000
ET	0.000	0.000	0.100	0.000	0.000	0.000	0.000	0.000	100.000	300.000

7

X1	4000.000	13.000	134.000	189.000	1500.000	1500.000	1500.000	1500.000	-0.000	-2.000	-0.000
GR	585.300	-0.000	570.400	100.000	568.400	134.000	561.000	144.000	560.400	157.000	
GR	560.200	175.000	567.900	189.000	567.300	200.000	566.400	300.000	576.500	340.000	
GR	579.000	354.000	584.400	400.000	588.500	430.000	-0.000	-0.000	-0.000	-0.000	
ET	-0.000	-0.000	9.100	-0.000	-0.000	-0.000	-0.000	-0.000	100.000	300.000	

X1	5000.000	-0.000	-0.000	-0.000	1000.000	1000.000	1000.000	-0.000	-2.000	-0.000	
ET	-0.000	-0.000	9.100	-0.000	-0.000	-0.000	-0.000	-0.000	100.000	300.000	

X1	5300.000	-0.000	-0.000	-0.000	300.000	300.000	300.000	-0.000	-0.000	-0.000	
NC	.060	.060	.050	-0.000	-0.000	-0.000	-0.000	-0.000	-0.000	-0.000	
ET	-0.000	-0.000	9.100	-0.000	-0.000	-0.000	-0.000	-0.000	730.000	1030.000	

X1	5585.000	17.000	892.000	933.000	285.000	285.000	285.000	-0.000	-0.000	-0.000	
X3	10.000	-0.000	-0.000	-0.000	-0.000	-0.000	-0.000	575.700	576.100	-0.000	
GR	593.800	-0.000	587.200	100.000	583.400	200.000	580.900	300.000	578.700	400.000	
GR	576.200	500.000	572.700	600.000	570.400	700.000	569.500	800.000	569.400	892.000	
GR	560.500	892.000	561.500	933.000	566.400	933.000	568.100	1000.000	569.900	1100.000	
GR	573.400	1200.000	592.100	1300.000	-0.000	-0.000	-0.000	-0.000	-0.000	-0.000	
SB	-0.000	1.140	2.500	-0.000	41.000	-0.000	500.000	-0.000	560.500	560.500	
ET	-0.000	-0.000	9.100	-0.000	-0.000	-0.000	-0.000	-0.000	730.000	1030.000	

X1	5615.000	-0.000	-0.000	-0.000	30.000	30.000	30.000	-0.000	-0.000	-0.000	
X2	-0.000	-0.000	1.300	572.700	575.700	-0.000	-0.000	-0.000	-0.000	-0.000	
X3	10.000	-0.000	-0.000	-0.000	-0.000	-0.000	-0.000	575.700	576.100	-0.000	
BT	17.000	-0.000	592.300	-0.000	100.000	587.800	-0.000	200.000	583.700	-0.000	
BT	300.000	580.300	-0.000	400.000	577.900	-0.000	500.000	576.500	-0.000	600.000	
BT	575.800	-0.000	700.000	575.700	-0.000	800.000	575.700	-0.000	892.000	576.400	
BT	569.400	892.000	576.000	572.700	933.000	576.100	572.700	933.000	576.100	566.400	
BT	1000.000	577.000	-0.000	1100.000	580.300	-0.000	1200.000	585.900	-0.000	1300.000	
BT	592.300	-0.000	-0.000	-0.000	-0.000	-0.000	-0.000	-0.000	-0.000	-0.000	
NC	.080	.080	.060	-0.000	-0.000	-0.000	-0.000	-0.000	-0.000	-0.000	
ET	-0.000	-0.000	9.100	-0.000	-0.000	-0.000	-0.000	-0.000	730.000	1030.000	

X1	5655.000	18.000	900.000	940.000	40.000	40.000	40.000	-0.000	-0.000	-0.000	
GR	593.800	-0.000	587.200	100.000	583.400	200.000	580.900	300.000	578.700	400.000	
GR	576.200	500.000	572.700	600.000	570.400	700.000	569.500	800.000	569.400	900.000	
GR	560.600	912.000	560.700	920.000	560.500	933.000	566.400	940.000	568.100	1000.000	
GR	569.900	1100.000	573.400	1200.000	592.100	1300.000	-0.000	-0.000	-0.000	-0.000	
NC	.080	.150	.060	-0.000	-0.000	-0.000	-0.000	-0.000	-0.000	-0.000	
ET	-0.000	-0.000	9.100	-0.000	-0.000	-0.000	-0.000	-0.000	760.000	1060.000	

X1	6150.000	-0.000	-0.000	-0.000	495.000	495.000	495.000	-0.000	-3.000	-0.000	
NC	.150	.150	.060	-0.000	-0.000	-0.000	-0.000	-0.000	-0.000	-0.000	
ET	-0.000	-0.000	9.100	-0.000	-0.000	-0.000	-0.000	-0.000	760.000	1060.000	

X1	7150.000	-0.000	-0.000	-0.000	1000.000	1000.000	1000.000	-0.000	-4.000	-0.000	
ET	-0.000	-0.000	9.100	-0.000	-0.000	-0.000	-0.000	-0.000	80.000	230.000	

X1	8400.000	11.000	125.000	146.000	1250.000	1250.000	1250.000	-0.000	-0.000	-0.000	
GR	600.900	-0.000	582.100	100.000	576.600	125.000	572.500	127.000	571.500	136.000	
GR	571.200	144.000	577.300	148.000	577.700	200.000	578.000	218.000	588.300	257.000	
GR	600.700	300.000	-0.000	-0.000	-0.000	-0.000	-0.000	-0.000	-0.000	-0.000	
ET	-0.000	-0.000	9.200	-0.000	-0.000	-0.000	-0.000	-0.000	80.000	230.000	

X1	8800.000	-0.000	-0.000	-0.000	400.000	400.000	400.000	-0.000	1.800	-0.000	
EJ	-0.000	-0.000	-0.000	-0.000	-0.000	-0.000	-0.000	-0.000	-0.000	-0.000	

3230 CROSS SECTION 158.00 EXTENDED 5.30 FEET

SPECIAL BRIDGE

SB	XK	YKOR	COFO	RDLEN	BWC	BWP	BAREA	SS	ELCHU	ELCHD
	.90	1.10	2.50	-0.00	33.00	3.00	480.00	-0.00	543.40	543.40

NORFOLK-SOUTHERN RR SECTION R-1

*** SECTION R-2 ***

*** SECTION R-3 ***

SPECIAL BRIDGE

SB	XK	XKOR	COFO	RDLEN	BWC	BWP	BAREA	SS	ELCHU	ELCHD
-0.00		1.14	2.50	-0.00	41.00	-0.00	500.00	-0.00	500.50	560.50

*** US-311 SECTION R-4 ***

*** SECTION R-5 ***

CONSOLIDATED ACCOUNTING SYSTEMS, INC.

 INTERACTIVE HEC2 VERSION UPDATED FEB 1976
 ERROR CORRECTIONS 01,02,03,04,05,06,07,09,09
 MODIFICATIONS 50,51,52,53,54,55,56,57,58

T1 FPMS BR MADISON-MAYODAN FIS
 T2 100 YR WITH METHOD 4 FLOODWAYS TRIAL #3
 T3 REED CREEK

J1	ICHECK	INO	NINV	IDIR	STRT	METRIC	HVINS	Q	WSEL	FO
	-10.	3.	-0.	-0.	-0.000000	-0.00	-0.0	-0.	561.300	-0.000
J2	INPROF	IPLOT	PRFVS	XSECV	XSECH	FN	ALLDC	ISW	CHNIM	ITRACE
	15.000	-0.000	-1.000	-0.000	-0.000	-0.000	-0.000	-0.000	-0.000	-0.000

3200 CROSS SECTION 168.00 EXTENDED 6.30 FEET

SPECIAL BRIDGE

SD	XK	XKOR	COFO	RDLEN	BWC	BWP	BAREA	SS	ELCHU	ELCHD
	.90	1.10	2.50	-0.00	33.00	3.00	480.00	-0.00	543.40	543.40

NORFOLK-SOUTHERN RR SECTION R-1

SECTION R-2

SECTION R-3

SPECIAL BRIDGE

SE	YK	XKOR	COFO	RDLEN	BWC	BWP	BAREA	SS	ELCHU	ELCHD
	-0.00	1.14	2.50	-0.00	41.00	-0.00	500.00	-0.00	560.50	560.50

US 311 SECTION R-4

SECTION R-5

FLOODWAY DATA, REED CREEK
 PROFILE NO. 2

STATION	WIDTH (FT)	FLOODWAY		MEAN VELOCITY	WATER SURFACE ELEVATION		
		SECTION AREA	DIFFERENCE		WITH FLOODWAY	WITHOUT FLOODWAY	DIFFERENCE
168.000	33.	591.		11.0	561.3	560.3	1.0
232.000	33.	641.		10.1	562.8	561.6	1.2
1100.000	210.	2279.		2.9	566.4	565.7	.7
2500.000	200.	1581.		4.1	568.8	568.3	.6
4000.000	200.	1800.		3.6	573.0	572.7	.3
5000.000	200.	1844.		3.5	575.3	575.0	.3
5300.000	200.	1973.		3.3	575.9	575.6	.3
5585.000	300.	2507.		2.5	576.4	576.1	.3
5635.000	300.	2920.		2.2	577.4	577.4	.1
5655.000	300.	2824.		2.3	577.5	577.4	.1
6150.000	300.	2082.		3.1	577.9	577.6	.3
7150.000	300.	1801.		3.6	580.9	580.0	.9
8400.000	150.	1374.		4.7	587.3	587.1	.2
8600.000	150.	1434.		4.5	589.5	589.3	.2

 INTERACTIVE HEC2 VERSION UPDATED FEB 1976
 ERROR CORRECTIONS 01,02,03,04,05,06,07,08,09
 MODIFICATIONS 50,51,52,53,54,55,56,57,58

Prison
Floodway
Table
3/11/76

C FPM BR REED CREEK FIS
 1 FPM BR MADISON-MAYODAN FIS
 T2 100 YR NATURAL
 T3 REED CREEK

J1	ICHECK	INC	MINV	DIR	STRT	METRIC	HVINS	Q	WSHL	FO
	-1	2	-0	-0	-0.000000	-0.00	-0.0	-0	560.300	-0.000
J2	NPROF	TPL0T	PRFVS	XSECV	XSECH	FN	ALLDC	IBW	CHNIM	ITRACE
	1.000	-0.000	-1.000	-0.000	-0.000	-0.000	-0.000	-0.000	-0.000	-0.000
J3	-1.000	200.000	-0.000	-0.000	-0.000	-0.000	-0.000	-0.000	-0.000	-0.000
J4	-1.000	-0.000	-0.000	-0.000	-0.000	-0.000	-0.000	-0.000	-0.000	-0.000
QT	7.000	6500.000	6500.000	10000.000	5100.000	2000.000	6500.000	6500.000	-0.000	-0.000
NC	.050	.080	.050	.200	.400	-0.000	-0.000	-0.000	-0.000	-0.000
ET	-0.000	-0.000	9.100	-0.000	-0.000	-0.000	-0.000	-0.000	1380.000	1420.000
X1	168.000	10.000	1380.000	1413.000	-0.000	-0.000	-0.000	-0.000	-0.000	-0.000
X3	10.000	-0.000	-0.000	-0.000	-0.000	-0.000	-0.000	577.200	576.600	-0.000
GR	555.000	-0.000	552.000	1000.000	550.000	1365.000	550.000	1380.000	543.400	1380.000
GR	543.400	1413.000	549.500	1413.000	549.500	1425.000	552.000	2000.000	555.000	2400.000
SB	.900	1.100	2.500	-0.000	3.000	3.000	480.000	-0.000	543.400	543.400
ET	-0.000	-0.000	9.100	-0.000	-0.000	-0.000	-0.000	-0.000	360.000	420.000
X1	232.000	19.000	380.000	413.000	64.000	64.000	64.000	-0.000	-0.000	-0.000
X2	-0.000	-0.000	1.000	559.400	576.600	-0.000	-0.000	-0.000	-0.000	-0.000
X3	10.000	-0.000	-0.000	-0.000	-0.000	-0.000	-0.000	577.200	576.600	-0.000
BT	13.000	-0.000	577.400	-0.000	100.000	577.400	-0.000	200.000	577.300	-0.000
BT	350.000	577.200	-0.000	380.000	577.200	557.000	380.000	577.200	559.400	413.000
BT	577.100	559.400	413.000	577.100	556.000	435.000	577.000	-0.000	500.000	576.800
BT	-0.000	600.000	576.700	-0.000	700.000	576.600	-0.000	800.000	576.600	-0.000
GR	577.400	-0.000	563.700	100.000	559.100	200.000	556.600	300.000	557.000	380.000
GR	143.400	380.000	543.400	413.000	556.000	413.000	556.000	435.000	562.000	445.000
GR	576.000	465.000	576.000	500.000	576.500	600.000	576.600	700.000	576.600	800.000
NC	.150	.150	.060	-0.000	-0.000	-0.000	-0.000	-0.000	-0.000	-0.000
ET	-0.000	-0.000	9.100	-0.000	-0.000	-0.000	-0.000	-0.000	230.000	440.000
X1	1100.000	14.000	379.000	437.000	1000.000	600.000	658.000	-0.000	-0.000	-0.000
GR	584.000	-0.000	549.000	80.000	568.700	120.000	559.100	200.000	556.600	300.000
GR	557.000	379.000	549.000	393.000	551.000	400.000	550.100	410.000	550.100	427.000
GR	556.000	437.000	562.000	446.000	576.800	464.000	580.100	475.000	-0.000	-0.000
ET	-0.000	-0.000	9.100	-0.000	-0.000	-0.000	-0.000	-0.000	240.000	440.000
X1	2500.000	-0.000	-0.000	-0.000	1400.000	1400.000	1400.000	-0.000	5.500	-0.000
NC	.100	.150	.060	-0.000	-0.000	-0.000	-0.000	-0.000	-0.000	-0.000
ET	-0.000	-0.000	9.100	-0.000	-0.000	-0.000	-0.000	-0.000	100.000	300.000
X1	4000.000	15.000	134.000	189.000	1500.000	1500.000	1500.000	-0.000	2.000	-0.000
GR	565.300	-0.000	570.400	100.000	568.400	134.000	561.000	144.000	560.400	157.000
GR	560.200	175.000	567.900	189.000	567.300	200.000	566.400	300.000	576.500	340.000

GR	579,000	354,000	584,400	400,000	588,500	430,000	-0.000	-0.000	-0.000	-0.000
ET	-0.000	-0.000	9,100	-0.000	-0.000	-0.000	-0.000	-0.000	100,000	300,000
X1	5000,000	-0.000	-0.000	-0.000	1000,000	1000,000	1000,000	-0.000	2,000	-0.000
ET	-0.000	-0.000	9,100	-0.000	-0.000	-0.000	-0.000	-0.000	100,000	300,000
X1	5300,000	-0.000	-0.000	-0.000	300,000	300,000	300,000	-0.000	-0.000	-0.000
NC	.030	.060	.050	-0.000	-0.000	-0.000	-0.000	-0.000	-0.000	-0.000
ET	-0.000	-0.000	9,100	-0.000	-0.000	-0.000	-0.000	-0.000	730,000	1030,000
X1	5585,000	17,000	592,000	933,000	285,000	285,000	285,000	-0.000	-0.000	-0.000
X3	10,000	-0.000	-0.000	-0.000	-0.000	-0.000	-0.000	575,700	576,100	-0.000
GR	593,200	-0.000	587,200	100,000	583,400	200,000	580,900	300,000	578,700	400,000
GR	576,200	500,000	572,700	600,000	570,400	700,000	569,500	800,000	569,400	892,000
GR	560,500	892,000	560,500	933,000	566,400	933,000	568,100	1000,000	569,900	1100,000
GR	573,400	1200,000	592,100	1300,000	-0.000	-0.000	-0.000	-0.000	-0.000	-0.000
SB	-0.000	1,150	2,500	-0.000	41,000	-0.000	500,000	-0.000	500,500	560,500
ET	-0.000	-0.000	9,100	-0.000	-0.000	-0.000	-0.000	-0.000	730,000	1030,000
X1	3615,000	-0.000	-0.000	-0.000	30,000	30,000	30,000	-0.000	-0.000	-0.000
X2	-0.000	-0.000	1,000	572,700	575,700	-0.000	-0.000	-0.000	-0.000	-0.000
X3	10,000	-0.000	-0.000	-0.000	-0.000	-0.000	-0.000	575,700	576,100	-0.000
BT	17,000	-0.000	592,300	-0.000	100,000	587,800	-0.000	200,000	583,700	-0.000
BT	300,000	580,300	-0.000	400,000	577,900	-0.000	500,000	576,500	-0.000	600,000
BT	575,800	-0.000	700,000	575,700	-0.000	600,000	575,700	-0.000	892,000	575,000
BT	569,400	892,000	576,000	572,700	933,000	576,100	572,700	933,000	576,100	566,400
BT	1000,000	577,400	-0.000	1100,000	580,300	-0.000	1200,000	585,900	-0.000	1300,000
BT	592,300	-0.000	-0.000	-0.000	-0.000	-0.000	-0.000	-0.000	-0.000	-0.000
NC	.080	.080	.060	-0.000	-0.000	-0.000	-0.000	-0.000	-0.000	-0.000
ET	-0.000	-0.000	9,100	-0.000	-0.000	-0.000	-0.000	-0.000	730,000	1030,000
X1	5655,000	16,000	900,000	940,000	40,000	40,000	40,000	-0.000	-0.000	-0.000
GR	593,200	-0.000	587,200	100,000	583,400	200,000	580,900	300,000	578,700	400,000
GR	576,200	500,000	572,700	600,000	570,400	700,000	569,500	800,000	569,400	900,000
GR	560,500	892,000	560,500	920,000	566,500	933,000	568,100	940,000	568,100	1000,000
GR	569,900	1100,000	573,400	1200,000	592,100	1300,000	-0.000	-0.000	-0.000	-0.000
NC	.080	.150	.060	-0.000	-0.000	-0.000	-0.000	-0.000	-0.000	-0.000
ET	-0.000	-0.000	9,100	-0.000	-0.000	-0.000	-0.000	-0.000	760,000	1060,000
X1	6000,000	-0.000	-0.000	-0.000	495,000	495,000	495,000	-0.000	3,000	-0.000
NC	.150	.150	.060	-0.000	-0.000	-0.000	-0.000	-0.000	-0.000	-0.000
ET	-0.000	-0.000	9,100	-0.000	-0.000	-0.000	-0.000	-0.000	760,000	1060,000
X1	7150,000	-0.000	-0.000	-0.000	1000,000	1000,000	1000,000	-0.000	4,000	-0.000
ET	-0.000	-0.000	9,100	-0.000	-0.000	-0.000	-0.000	-0.000	80,000	230,000
X1	8400,000	11,000	125,000	148,000	1250,000	1250,000	1250,000	-0.000	-0.000	-0.000
GR	500,900	-0.000	582,100	100,000	576,600	125,000	572,500	127,000	571,500	136,000
GR	571,200	144,000	577,300	148,000	577,700	200,000	578,000	218,000	588,300	257,000
GR	603,700	300,000	-0.000	-0.000	-0.000	-0.000	-0.000	-0.000	-0.000	-0.000
FJ	-0.000	-0.000	-0.000	-0.000	-0.000	-0.000	-0.000	-0.000	-0.000	-0.000

3000 CROSS SECTION 158.00 EXTENDED 5.30 FEET

SPECIAL BRIDGE

SB	XK	YKOR	COFO	ROLEY	RWC	RWP	RAREA	SS	ELCHU	ELCHD
	.70	1.10	2.50	-0.00	33.00	3.00	480.00	-0.00	543.40	543.40

NORFOLK-SOUTHERN RR SECTION R-1

SECTION R-2

CONSULT THE DRAWING FOR THE LOCATION OF THE BRIDGE AND THE POSITION OF THE CROSS SECTION.

*** SECTION R-3 ***

SPECIAL BRIDGE

SB	YK	YKOR	COFO	RDLEN	BWC	RWP	BAREA	SS	ELCHU	ELCHD
-0.00		1.14	2.50	-0.00	41.00	-0.00	500.00	-0.00	560.50	560.50

*** US 311 SECTION R-4 ***

*** SECTION R-5 ***

THE WESTERN BOOK COMPANY

 INTERACTIVE HEC2 VERSION UPDATED FEB 1976
 ERROR CORRECTIONS 01,02,03,04,05,06,07,08,09
 MODIFICATIONS 50,51,52,53,54,55,56,57,58

T1 FPMS BR MADISON-MAYODAN FIS
 T2 100 YR WITH METHOD 4 FLOODWAYS TRIAL =3
 T3 REED CREEK

J1	ICHECK	INO	NINV	IDIR	STRT	METRIC	HVINS	Q	WSEL	FO
	-10.	3.	-0.	-0.	-0.000000	-0.00	-0.0	-0.	561.300	-0.000
J2	NPROF	IPLDT	PRFVS	XSECV	XSECH	FN	ALLDC	IBW	CHNIM	ITRACE
	15.000	-0.000	-1.000	-0.000	-0.000	-0.000	-0.000	-0.000	-0.000	-0.000

3280 CROSS SECTION 168.00 EXTENDED 6.30 FEET

SPECIAL BRIDGE

SB	IXK	XROR	COFO	RDLEN	BWC	BWP	BAREA	SS	ELCHU	ELCHD
	.90	1.10	2.50	-0.00	33.00	3.00	480.00	-0.00	543.40	543.40

NORFOLK-SOUTHERN RR SECTION R-1

*** SECTION R-2 ***

*** SECTION R-3 ***

SPECIAL BRIDGE

SB	IXK	XROR	COFO	RDLEN	BWC	BWP	BAREA	SS	ELCHU	ELCHD
	-0.00	1.14	2.50	-0.00	41.00	-0.00	500.00	-0.00	560.50	560.50

*** US 311 SECTION R-4 ***

*** SECTION R-5 ***

FLOODWAY DATA, REED CREEK
PROFILE NO. 2

STATION	FLOODWAY WIDTH (FT)	FLOODWAY SECTION AREA	MEAN VELOCITY	WATER SURFACE ELEVATION DIFFERENCE		
				WITH FLOODWAY	WITHOUT FLOODWAY	
168.000	33.	591.	11.0	561.3	560.3	1.0
232.000	33.	641.	10.1	562.6	561.6	1.2
1100.000	217.	2279.	2.9	566.4	565.7	.7
2570.000	200.	1581.	4.1	568.0	568.3	.6
4700.000	200.	1600.	3.6	573.0	572.7	.3
5000.000	200.	1844.	3.5	575.3	575.0	.3
5300.000	200.	1973.	3.3	575.9	575.6	.3
5585.000	300.	2607.	2.5	576.4	576.1	.3
5615.000	300.	2920.	2.2	577.4	577.4	.1
5655.000	300.	2624.	2.3	577.5	577.4	.1
6150.000	300.	2082.	3.1	577.9	577.6	.3
7150.000	300.	1801.	3.6	580.9	580.0	.9
8400.000	150.	1374.	4.7	587.3	587.1	.2

 INTERACTIVE HEC2 VERSION UPDATED FEB 1976
 ERROR CORRECTIONS 01,02,03,04,05,06,07,08,09
 MODIFICATIONS 51,52,53,54,55,56,57,58

FLOODWAY Table.
ReRun.

C FPM BR REED CREEK FIS
 1 FPM BR MADISON-MAYODAN FIS
 T2 100 YR NATURAL
 T3 REED CREEK

J1	ICRECK	IND	HTNV	IQIR	STRT	METRIC	HVINS	WSEL	FG	
	1	2	-9	-0	-0.000000	-0.00	-0.0	560.300	-0.000	
J2	NPROF	IPL0T	PRIVS	XSECV	XSECH	FN	ACLDL	IBW	CHMTH	ITRACE
	1.000	-0.000	-1.000	-0.000	-0.000	-0.000	-0.000	0.000	-0.000	-0.000
J3	-1.000	200.000	-0.000	-0.000	-0.000	-0.000	-0.000	-0.000	-0.000	-0.000
J4	-1.000	-1.000	-0.000	-0.000	-0.000	-0.000	-0.000	-0.000	-0.000	-0.000
OT	7.000	6500.000	6500.000	10600.000	5100.000	2600.000	6500.000	6500.000	-0.000	-0.000
EY	-0.000	-0.000	7.400	-0.000	-0.000	-0.000	8.400	10.400	-0.000	-0.000
NC	.060	.060	.050	.200	.400	-0.000	-0.000	-0.000	-0.000	-0.000
X1	168.000	10.000	1380.000	1423.000	-0.000	-0.000	-0.000	-0.000	-0.000	-0.000
X3	10.000	-0.000	-0.000	-0.000	-0.000	-0.000	-0.000	577.200	576.600	-0.000
GR	555.000	-0.000	552.000	1000.000	550.000	1365.000	550.000	1380.000	543.400	1380.000
GR	543.000	1413.000	549.500	1413.000	549.500	1429.000	552.000	2000.000	559.000	2000.000
SB	.900	1.100	2.500	-0.000	33.000	3.000	480.000	-0.000	543.400	543.400
X1	232.000	15.000	380.000	413.000	64.000	64.000	64.000	-0.000	-0.000	-0.000
Y2	-0.000	-0.000	1.000	559.400	576.600	-0.000	-0.000	-0.000	-0.000	-0.000
Y3	10.000	-0.000	-0.000	-0.000	-0.000	-0.000	-0.000	577.200	576.600	-0.000
BT	13.000	-0.000	577.400	-0.000	100.000	577.400	-0.000	200.000	577.300	-0.000
BT	300.000	577.200	-0.000	300.000	577.200	557.000	380.000	577.200	559.400	413.000
BT	577.100	559.400	413.000	577.100	556.000	435.000	577.000	-0.000	500.000	576.800
BT	-0.000	600.000	576.700	-0.000	700.000	576.600	-0.000	800.000	576.600	-0.000
GR	577.400	-0.000	568.700	100.000	559.100	200.000	556.600	300.000	557.000	380.000
GR	543.400	385.000	543.400	413.000	556.000	413.000	556.000	435.000	562.000	445.000
GR	576.000	465.000	576.000	500.000	576.500	600.000	576.600	700.000	576.600	800.000
NC	.150	.150	.060	-0.000	-0.000	-0.000	-0.000	-0.000	-0.000	-0.000
Y1	1100.000	10.000	379.000	437.000	1000.000	500.000	860.000	-0.000	-0.000	-0.000
GR	584.000	-0.000	569.800	16.000	568.700	100.000	559.100	200.000	556.600	380.000
GR	557.000	379.000	549.800	393.000	551.000	400.000	550.100	410.000	550.100	427.000
GR	556.000	437.000	562.000	446.000	576.800	464.000	580.100	475.000	-0.000	-0.000
X1	2500.000	-0.000	-0.000	-0.000	1400.000	1400.000	1400.000	-0.000	5.500	-0.000
NC	.100	.150	.060	-0.000	-0.000	-0.000	-0.000	-0.000	-0.000	-0.000
Y1	5100.000	15.000	134.000	169.000	2500.000	2500.000	2500.000	-0.000	-0.000	-0.000
GR	505.000	-0.000	570.400	100.000	568.400	134.000	561.000	144.000	560.400	157.000
GR	560.200	175.000	562.900	169.000	567.300	200.000	566.400	300.000	576.500	340.000
GR	579.000	354.000	584.400	400.000	588.500	430.000	-0.000	-0.000	-0.000	-0.000
X1	5300.000	-0.000	-0.000	-0.000	300.000	300.000	300.000	-0.000	-0.000	-0.000
NC	.060	.060	.050	-0.000	-0.000	-0.000	-0.000	-0.000	-0.000	-0.000

CONSULT INSTRUCTOR FOR ASSISTANCE

 INTERACTIVE HEC2 VERSION UPDATED FEB 1976
 ERROR CORRECTIONS 01,02,03,04,35,06,07,08,09
 MODIFICATIONS 51,52,53,54,55,56,57,58

T1 FPMS BR MADISON-MAYODAN FIS
 T2 100 YR WITH METHOD 4 FLOODWAYS TRIAL =3
 T3 REED CREEK

J1	TCHECK	IND	MINV	IDIR	STRT	METRIC	HVINS	0	WSEL	FG
	-10.	3	40.	-0.	-0.000000	-0.00	-0.0	-0.	561.300	-0.000
J2	NPROF	TPL01	PRFVS	XSECV	XSECH	FN	ALLDC	TRW	CHNTM	ITRACE
	15.000	-0.000	-1.000	-0.000	-0.000	-0.000	-0.000	-0.000	-0.000	-0.000

*PROF 2
 CORVE= .200 CERV= .400
 *SECNO 168.000
 2800 NAT Q1= 767.29 WSEL= 560.30 ENC Q1= 814.21 WSEL= 561.00 RATIO= -.0612
 NAT Q1= 814. RATIO S LDB,CH,ROB= 0.0000 1.0000 0.0000 WSEL= 561.00
 3280 CROSS SECTION 168.00 EXTENDED 6.30 FEET

SECNO	DEPTH	WSEL	CRIS	WSELK	EG	HV	HL	GLASS	BANK	ELEV
0	QLOB	QCH	QROB	ALOB	ACH	AROB	VOL	TWA	LEFT/RIGHT	
TIME	VCDB	VCH	VROB	XNL	XNCH	XNR	NTN	ELMIN	SSTA	
SLOPE	XLOBL	XLC	XLOBR	ITRIAL	IDC	ICONT	CORAR	TOPWID	ENDST	

3470 ENCROACHMENT STATIONS= 1380.0 1413.0 TYPE= 4 TARGET= 0.000

OVERBANK AREA ASSUMED NON-EFFECTIVE,ELLEA= 577.20 ELREA= 576.60

168.00	17.90	561.30	0.00	560.30	563.18	1.88	0.70	0.00	550.00	
6500.	0.	6500.	0.	0.	591.	0.	0.	0.	549.50	top of bank
0.00	0.00	11.00	0.00	0.050	0.050	0.060	0.000	543.40	1380.00	
.000066	-0.	-0.	-0.	0	0	0	0.00	33.00	1413.00	

SPECIAL BRIDGE

SB	XK	XKOR	COFO	RDCEN	ARC	BWP	BAREA	SS	ELCHU	ELCHD
	.90	1.10	2.50	-0.00	33.00	3.00	480.00	-0.00	543.40	543.40

*SECNO 232.000
 2800 NAT Q1= 767.00 WSEL= 561.62 ENC Q1= 842.91 WSEL= 562.32 RATIO= -.0571
 NAT Q1= 843. RATIO S LDB,CH,ROB= 0.0000 1.0000 0.0000 WSEL= 562.32

WATER EXCHANGE FROM NATURAL PROFILES BRIDGE

3470 ENCROACHMENT STATIONS= 1380.0 1413.0 TYPE= 4 TARGET= 0.000

OVERBANK AREA ASSUMED NON-EFFECTIVE,ELLEA= 577.20 ELREA= 576.60

FLOODWAY DATA, REED CREEK
 PROFILE NO. 2

STATION FLOODWAY WATER SURFACE ELEVATION
 WIDTH SECTION WITH WITHOUT DIFFERENCE
 (FT) AREA VELOCITY FLOODWAY FLOODWAY

STATION	FLOODWAY WIDTH (FT)	FLOODWAY SECTION AREA	MEAN VELOCITY	WATER SURFACE ELEVATION WITH FLOODWAY	WATER SURFACE ELEVATION WITHOUT FLOODWAY	DIFFERENCE
166.000	53.	591.	11.0	561.3	560.3	1.0
232.000	53.	634.	10.2	562.6	561.6	1.0
1103.000	205.	2248.	2.9	566.5	565.7	.8
2500.000	163.	1433.	4.5	569.2	568.3	1.0
4500.000	172.	1773.	3.7	575.9	575.1	.8
5300.000	177.	1919.	3.4	576.5	575.7	.8
5585.000	156.	3892.	1.7	577.0	576.2	.8
5615.000	504.	4781.	1.4	578.2	577.4	.8
5655.000	505.	4675.	1.4	578.2	577.4	.8
6150.000	372.	2618.	2.5	578.4	577.6	.8
7150.000	284.	1641.	4.0	580.6	580.0	.6
8400.000	101.	1146.	5.7	587.8	587.1	.7

CONSULT ENGINEER'S BOOK SHEETS FOR...

 INTERACTIVE HEC2 VERSION UPDATED FEB 1976
 ERROR CORRECTIONS 01,02,03,04,05,06,07,08,09
 MODIFICATIONS 50,51,52,53,54,55,56,57,58

Es. Martin
Plotting Run
3/6/76

C FPM BR REED CREEK FIS
 1 FPM BR MADISON-MAYODAN FIS
 T2 100 YR NATURAL
 T3 REED CREEK

J1 TCHECK TVG VINV IDIR STRT METRIC HVINS Q WSEL FQ
 -1. 2. -0. -0. -0.000000 -0.00 -0.0 -0. 560.300 -0.000

J2 NPROF IPILOT PRFVS XSECV XSECH FN ALLDC IBW CHNIM ITRACE
 1.000 -0.000 -1.000 -0.000 -0.000 -0.000 0.000 -0.000 -0.000 -0.000

J3 -2.000 43.000 39.000 1.000 8.000 3.000 10.000 5.000 26.000 -0.000
 J3 38.000 50.000 21.000 22.000 27.000 28.000 4.000 -0.000 -0.000 -0.000
 J4 -1.000 -1.000 -0.000 -0.000 -0.000 -0.000 -0.000 -0.000 -0.000 -0.000

OT 7.000 6500.000 6500.000 10600.000 5100.000 2600.000 6500.000 6500.000 -0.000 -0.000
 NC 7.060 .060 .050 .200 .400 -0.000 -0.000 -0.000 -0.000 -0.000
 ET -0.000 -0.000 9.100 -0.000 -0.000 -0.000 -0.000 -0.000 1380.000 1420.000
 GR 576.700 500.000 572.700 600.000 570.400 700.000 569.500 800.000 569.400 900.000
 GR 560.600 912.000 560.700 920.000 560.500 933.000 566.400 940.000 568.100 1000.000
 GR 569.900 1100.000 573.400 1200.000 592.100 1300.000 -0.000 -0.000 -0.000 -0.000
 NC .080 .150 .060 -0.000 -0.000 -0.000 -0.000 -0.000 -0.000 -0.000
 ET -0.000 -0.000 9.100 -0.000 -0.000 -0.000 -0.000 -0.000 760.000 1060.000

X1 6150.000 -0.000 -0.000 -0.000 495.000 495.000 495.000 -0.000 3.000 -0.000
 NC .150 .150 .060 -0.000 -0.000 -0.000 -0.000 -0.000 -0.000 -0.000
 ET -0.000 -0.000 9.100 -0.000 -0.000 -0.000 -0.000 -0.000 760.000 1060.000

X1 7150.000 -0.000 -0.000 -0.000 1000.000 1000.000 1000.000 -0.000 4.000 -0.000
 ET -0.000 -0.000 9.100 -0.000 -0.000 -0.000 -0.000 -0.000 80.000 230.000

X1 6400.000 11.000 125.000 148.000 1250.000 1250.000 1250.000 -0.000 -0.000 -0.000
 GR 600.900 -0.000 582.100 100.000 576.000 125.000 572.500 127.000 572.500 136.000
 GR 571.200 144.000 577.300 148.000 577.700 200.000 578.000 216.000 588.300 257.000
 GR 600.700 300.000 -0.000 -0.000 -0.000 -0.000 -0.000 -0.000 -0.000 -0.000
 EJ -0.000 -0.000 -0.000 -0.000 -0.000 -0.000 -0.000 -0.000 -0.000 -0.000

 INTERACTIVE HEC2 VERSION UPDATED FEB 1976
 ERROR CORRECTIONS 01,02,03,04,05,06,07,08,09
 MODIFICATIONS 50,51,52,53,54,55,56,57,58

Pratt
Floodplain Run
 3/25/76

C FPM BR REED CREEK FIS
 1 FPMS BR MADISON-MAYODAN FIS
 T2 100 YR NATURAL
 T3 REED CREEK

J1	ICHECK	INC	MINV	IDIR	STRT	METRIC	HVINS	Q	WSEL	FQ
	-1.	2.	-0.	-0.	-0.000000	-0.00	-0.0	-0.	560.300	-0.000

J2	NPROF	IPL0T	PRFVS	XSECV	XSECH	FN	ALLDC	LRW	CHNIM	ITRACE
	1.000	-0.000	-1.000	-0.000	-0.000	-0.000	-0.000	-0.000	-0.000	-0.000

J3	-2.000	43.000	39.000	1.000	8.000	3.000	10.000	5.000	26.000	0.000
J3	38.000	50.000	21.000	22.000	27.000	28.000	4.000	-0.000	-0.000	-0.000
J4	-1.000	-1.000	-0.000	-0.000	-0.000	-0.000	-0.000	-0.000	-0.000	-0.000

QT	7.000	6500.000	6500.000	10600.000	5100.000	2600.000	6500.000	6500.000	-0.000	-0.000
NC	.060	.060	.050	.200	.400	-0.000	-0.000	-0.000	-0.000	-0.000
ET	-0.000	-0.000	9.100	-0.000	-0.000	-0.000	-0.000	-0.000	1380.000	1420.000

X1	168.000	10.000	1380.000	1413.000	-0.000	-0.000	-0.000	-0.000	-0.000	-0.000
X3	10.000	-0.000	-0.000	-0.000	-0.000	-0.000	-0.000	577.200	576.600	-0.000
GR	555.000	-0.000	552.000	1000.000	550.000	1365.000	550.000	1380.000	543.400	1380.000
GR	543.400	1413.000	549.500	1413.000	549.500	1425.000	552.000	2000.000	555.000	2400.000
SB	.900	1.100	2.500	-0.000	33.000	3.000	480.000	-0.000	543.400	543.400
ET	-0.000	-0.000	9.100	-0.000	-0.000	-0.000	-0.000	-0.000	380.000	420.000

X1	237.000	15.000	380.000	413.000	64.000	64.000	64.000	-0.000	-0.000	-0.000
X2	10.000	-0.000	3.000	559.400	576.600	-0.000	-0.000	-0.000	-0.000	-0.000
X3	10.000	-0.000	-0.000	-0.000	-0.000	-0.000	-0.000	577.200	576.600	-0.000
BT	13.000	-0.000	577.400	-0.000	100.000	577.400	-0.000	200.000	577.300	-0.000
BT	300.000	577.200	-0.000	380.000	577.200	557.000	380.000	577.200	559.400	413.000
BT	577.100	559.400	413.000	577.100	556.000	435.000	577.000	-0.000	500.000	576.800
BT	-0.000	600.000	576.700	-0.000	700.000	576.000	-0.000	800.000	576.600	-0.000
GR	577.400	-0.000	568.700	100.000	559.100	200.000	556.600	300.000	557.000	380.000
GR	543.400	380.000	543.400	413.000	556.000	413.000	556.000	435.000	562.000	445.000
GR	576.000	465.000	576.000	500.000	576.500	600.000	576.600	700.000	576.600	800.000
NC	.150	.150	.160	-0.000	-0.000	-0.000	-0.000	-0.000	-0.000	-0.000
ET	-0.000	-0.000	9.100	-0.000	-0.000	-0.000	-0.000	-0.000	230.000	440.000

X1	1500.000	14.000	379.000	437.000	1000.000	600.000	868.000	-0.000	-0.000	-0.000
GR	584.000	-0.000	569.000	86.000	568.700	100.000	559.100	200.000	556.600	300.000
GR	557.000	379.000	549.000	393.000	551.000	400.000	550.100	410.000	550.100	427.000
GR	556.000	437.000	567.000	640.000	576.000	464.000	580.100	475.000	-0.000	-0.000
ET	-0.000	-0.000	9.100	-0.000	-0.000	-0.000	-0.000	-0.000	240.000	440.000

X1	2500.000	-0.000	-0.000	-0.000	1400.000	1400.000	1400.000	-0.000	5.500	-0.000
NC	.100	.150	.160	-0.000	-0.000	-0.000	-0.000	-0.000	-0.000	-0.000
ET	-0.000	-0.000	9.100	-0.000	-0.000	-0.000	-0.000	-0.000	100.000	300.000

X1	4000.000	13.000	130.000	189.000	1500.000	1500.000	1500.000	-0.000	-2.000	-0.000
GR	585.300	-0.000	570.400	100.000	568.400	134.000	561.000	144.000	560.400	157.000

COPY 016 INTERACTIVE HEC2 VERSION 02/76

GR	579.000	354.000	584.400	401.000	588.500	430.000	-0.000	-0.000	-0.000	-0.000
ET	-0.000	-0.000	9.100	-0.000	-0.000	-0.000	-0.000	-0.000	100.000	300.000
X1	5000.000	-0.000	-0.100	-0.000	1000.000	1000.000	1000.000	-0.000	2.000	-0.000
ET	-0.000	-0.000	9.100	-0.000	-0.000	-0.000	-0.000	-0.000	100.000	300.000
X1	5300.000	-0.000	-0.000	-0.000	300.000	300.000	300.000	-0.000	-0.000	-0.000
NC	.060	.060	.050	-0.000	-0.000	-0.000	-0.000	-0.000	-0.000	-0.000
ET	-0.000	-0.000	9.100	-0.000	-0.000	-0.000	-0.000	-0.000	730.000	1030.000
X1	5585.000	17.000	892.000	933.000	285.000	285.000	285.000	-0.000	-0.000	-0.000
X3	10.000	-0.000	-0.000	-0.000	-0.000	-0.000	-0.000	-575.700	576.100	-0.000
GR	593.800	-0.000	587.200	100.000	583.400	200.000	580.900	300.000	578.700	400.000
GR	576.200	500.000	572.700	600.000	570.400	700.000	569.500	800.000	569.400	892.000
GR	560.500	892.000	560.500	933.000	560.400	933.000	560.100	1000.000	569.900	1100.000
GR	573.400	1200.000	592.500	1300.000	-0.000	-0.000	-0.000	-0.000	-0.000	-0.000
SB	-0.000	1.140	2.500	-0.000	41.000	-0.000	500.000	-0.000	560.500	560.900
ET	-0.000	-0.000	9.100	-0.000	-0.000	-0.000	-0.000	-0.000	730.000	1030.000
X1	5615.000	-0.000	-0.000	-0.000	30.000	30.000	30.000	-0.000	-0.000	-0.000
X2	-0.000	-0.000	1.100	577.700	575.700	-0.000	-0.000	-0.000	-0.000	-0.000
X3	10.000	-0.000	-0.100	-0.000	-0.000	-0.000	-0.000	575.700	576.100	-0.000
BT	17.000	-0.000	592.500	-0.000	300.000	587.800	-0.000	200.000	583.700	-0.000
BT	300.000	580.300	-0.000	400.000	577.900	-0.000	500.000	576.500	-0.000	600.000
BT	575.800	-0.000	700.000	575.700	-0.000	800.000	575.700	-0.000	892.000	576.000
BT	569.400	892.000	576.000	572.700	933.000	576.100	572.700	933.000	576.100	566.400
BT	1000.000	577.000	-0.000	1300.000	580.300	-0.000	1200.000	580.900	-0.000	1300.000
BT	592.500	-0.000	-0.000	-0.000	-0.000	-0.000	-0.000	-0.000	-0.000	-0.000
NC	.080	.080	.060	-0.000	-0.000	-0.000	-0.000	-0.000	-0.000	-0.000
ET	-0.000	-0.000	9.100	-0.000	-0.000	-0.000	-0.000	-0.000	730.000	1030.000
X1	5655.000	18.000	900.000	940.000	40.000	40.000	40.000	-0.000	-0.000	-0.000
GR	593.800	-0.000	587.200	100.000	583.400	200.000	580.900	300.000	578.700	400.000
GR	576.200	500.000	572.700	600.000	570.400	700.000	569.500	800.000	569.400	900.000
GR	560.500	892.000	560.700	920.000	560.500	933.000	566.400	940.000	568.100	1000.000
GR	569.900	1100.000	573.400	1200.000	592.500	1300.000	-0.000	-0.000	-0.000	-0.000
NC	.080	.150	.060	-0.000	-0.000	-0.000	-0.000	-0.000	-0.000	-0.000
ET	-0.000	-0.000	9.100	-0.000	-0.000	-0.000	-0.000	-0.000	760.000	1060.000
X1	6150.000	-0.000	-0.000	-0.000	495.000	495.000	495.000	-0.000	3.000	-0.000
NC	.150	.150	.060	-0.000	-0.000	-0.000	-0.000	-0.000	-0.000	-0.000
ET	-0.000	-0.000	9.100	-0.000	-0.000	-0.000	-0.000	-0.000	760.000	1060.000
X1	7150.000	-0.000	-0.000	-0.000	1000.000	1000.000	1000.000	-0.000	4.000	-0.000
ET	-0.000	-0.000	9.100	-0.000	-0.000	-0.000	-0.000	-0.000	80.000	230.000
X1	6400.000	11.000	125.000	148.000	1250.000	1250.000	1250.000	-0.000	-0.000	-0.000
GR	600.900	-0.000	582.100	100.000	576.600	125.000	572.500	127.000	571.500	136.000
GR	571.200	144.000	577.300	148.000	577.700	200.000	578.000	216.000	588.300	257.000
GR	600.700	300.000	-0.000	-0.000	-0.000	-0.000	-0.000	-0.000	-0.000	-0.000
EJ	-0.000	-0.000	-0.100	-1.000	-0.000	-0.000	-0.000	-0.000	-0.000	-0.000

© 1985 HARRIS & WOOD, INC.

 INTERACTIVE HEC2 VERSION UPDATED FEB 1976
 ERROR CORRECTIONS 01,02,03,04,05,06,07,08,09
 MODIFICATIONS 50,51,52,53,54,55,56,57,58

T1 FPMS HP MADISON-MAYODAN FIS
 T2 100 YR WITH METHOD 4 FLOODWAYS TRIAL =3
 T3 REED CREEK

J1	TCPECK	INO	NIRV	IDTR	STRT	METRIC	HVTNS	0	WSEL	FG
	-10.	3.	-0.	-0.	-0.000000	-0.00	-0.0	-0.	561.300	-0.000
J2	NPROF	IPLOT	PRFVS	XSECV	XSECH	FN	ALLDC	IBW	CHNTH	ITRACE
	15.000	-0.000	-1.000	-0.000	-0.000	-0.000	-0.000	-0.000	-0.000	-0.000

*PROF 2
 CCHV= .200 CEHV= .400
 *SECD 168.000
 3280 CROSS SECTION 168.00 EXTENDED 6.30 FEET

SECNO	DEPTH	CHSEL	CRHS	WSELK	EG	HV	HL	QLOSS	BANK ELEV
Q	ALOB	QCH	VRDB	ALOB	ACH	AROB	VOL	TWA	LEFT/RIGHT
TIME	VLOB	VCH	VRDB	XNL	XNCH	XNR	WTN	ECHTN	NSTA
SLOPE	XLGBI	XLCH	XLDBR	ITRIAL	IDC	ICONT	CORAR	TOPWID	ENDST

3470 ENCROACHMENT STATIONS= 1380.0 1420.0 TYPE= 1 TARGET= 40.000

OVERBANK AREA ASSUMED NON-EFFECTIVE, ELCEA= 577.20 ELREA= 576.60

168.00	17.90	561.30	0.00	561.30	563.18	1.88	0.00	0.00	550.00
--------	-------	--------	------	--------	--------	------	------	------	--------

SPECTAL BRIDGE

SB	XK	XKOR	COFO	RDCEN	RWC	RWP	BAREA	SS	ELCHU	ELCHD
	.90	1.10	2.50	-0.00	33.00	3.00	480.00	-0.00	543.40	543.40

*SECD 232.000
 PRESSURE FLOW

EQPKS	EGINC	H3	QHEIR	QPR	BAREA	ELLC	ELTRD	CLASS
564.43	563.57	.42	0.	6500.	480.	559.40	576.60	10.00

3470 ENCROACHMENT STATIONS= 1380.0 1420.0 TYPE= 1 TARGET= 40.000

OVERBANK AREA ASSUMED NON-EFFECTIVE, ELCEA= 577.20 ELREA= 576.60

SUMMARY PRINTOUT

REED CREEK

SECNO D XLCH CASEL DEPTH EG HV 10K*S VCH

168.00 6500.00 -0.07 560.30 16.90 562.41 2.11 71.76 11.66

168.00 6500.00 -0.07 561.30 17.90 563.18 1.88 60.66 11.00

232.00 6500.00 64.00 561.62 18.22 563.43 1.82 66.51 10.81

232.00 6500.00 64.00 562.84 19.44 564.43 1.59 54.95 10.13

1100.00 6500.00 868.00 565.69 15.89 565.94 .25 12.75 4.98

1100.00 6500.00 868.00 566.42 16.67 566.69 .27 12.14 5.03

2500.00 6500.00 1400.00 568.28 12.98 568.85 .57 35.24 7.10

2500.00 6500.00 1400.00 568.84 13.54 569.42 .57 31.95 6.99

4000.00 6500.00 1500.00 572.73 14.53 573.13 .40 23.20 6.13

4000.00 6500.00 1500.00 573.04 14.84 573.45 .41 22.65 6.15

5000.00 6500.00 1000.00 574.98 14.78 575.35 .37 21.25 5.94

5000.00 6500.00 1000.00 575.25 15.05 575.64 .39 21.14 6.01

5300.00 6500.00 300.00 575.62 15.42 575.94 .31 17.16 5.52

5300.00 6500.00 300.00 575.89 15.69 576.23 .34 17.34 5.62

5585.00 6500.00 285.00 576.10 15.60 576.15 .05 2.69 2.48

5585.00 6500.00 285.00 576.40 15.90 576.52 .11 5.09 3.45

5615.00 6500.00 30.00 577.37 16.87 577.40 .03 1.53 1.97

5615.00 6500.00 30.00 577.45 16.95 577.53 .09 3.57 3.02

5655.00 6500.00 40.00 577.38 16.88 577.41 .03 2.73 2.30

5655.00 6500.00 40.00 577.45 16.95 577.56 .10 6.36 3.52

6150.00 6500.00 495.00 577.57 14.07 577.73 .16 15.85 4.81

6150.00 6500.00 495.00 577.88 14.38 578.18 .30 23.46 5.96

7150.00 6500.00 1000.00 580.02 12.52 580.63 .61 56.82 8.32

7150.00 6500.00 1000.00 580.94 13.44 581.55 .61 47.71 8.06

8400.00 6500.00 1250.00 587.08 15.88 587.89 .81 58.08 9.72

8400.00 6500.00 1250.00 587.27 16.07 588.07 .80 55.86 9.61

SUMMARY PRINTOUT

REED CREEK

SECNO DIFWSP STCHL & STCHR STENCL STENCH TOPWID

168.00	0.00	1380.00	396	1413.00	0.00	0.00	33.00
168.00	1.00	1380.00		1413.00	1380.00	1420.00	33.00
232.00	0.00	380.00	396	413.00	0.00	0.00	33.00
232.00	1.22	380.00		413.00	380.00	420.00	33.00
1100.00	0.00	379.00	408	437.00	0.00	0.00	319.11
1100.00	.73	379.00		437.00	230.00	440.00	210.00
2500.00	0.00	379.00	408	437.00	0.00	0.00	285.28
2500.00	.56	379.00		437.00	240.00	440.00	200.00
4000.00	0.00	134.00	61	189.00	0.00	0.00	262.01
4000.00	.31	134.00		189.00	100.00	300.00	200.00
5000.00	0.00	134.00	61	189.00	0.00	0.00	264.73
5000.00	.27	134.00		189.00	100.00	300.00	200.00
5300.00	0.00	134.00	61	189.00	0.00	0.00	271.58
5300.00	.26	134.00		189.00	100.00	300.00	200.00
5585.00	0.00	892.00	93	933.00	0.00	0.00	711.67
5585.00	.30	892.00		933.00	730.00	1030.00	300.00
5615.00	0.00	892.00	93	933.00	0.00	0.00	768.21
5615.00	.07	892.00		933.00	730.00	1030.00	300.00
5655.00	0.00	900.00	920	940.00	0.00	0.00	768.59
5655.00	.08	900.00		940.00	730.00	1030.00	300.00
6150.00	0.00	900.00	920	940.00	0.00	0.00	659.83
6150.00	.31	900.00		940.00	760.00	1060.00	300.00
7150.00	0.00	900.00	920	940.00	0.00	0.00	598.17
7150.00	.92	900.00		940.00	760.00	1060.00	300.00
8400.00	0.00	125.00	137	148.00	0.00	0.00	178.86
8400.00	.19	125.00		148.00	80.00	230.00	150.00

100% REPRODUCIBLE FROM ORIGINAL DRAWING
 100% REPRODUCIBLE FROM ORIGINAL DRAWING
 100% REPRODUCIBLE FROM ORIGINAL DRAWING

 INTERACTIVE HEC2 VERSION UPDATED FEB 1976
 ERROR CORRECTIONS 01,02,03,04,05,06,07,08,09
 MODIFICATIONS 50,51,52,53,54,55,56,57,58

C FPM BR REED CREEK FIS
 1 FMS BR MADISON-MAYODAN FIS
 T2 10 YR NATURAL
 T3 REED CREEK

J1	ICHECK	INO	NINV	IDIR	STB	METRIC	HVINS	G	WSEL	FG
	10	6	-0	-0	-0.000000	-0.00	-0.0	-0	552.600	-0.000
J2	NPROF	IPLOT	PRFVS	XSECV	XSECH	FN	ALLDC	IBW	CHNIM	ITRACE
	1.000	-0.000	-1.000	-0.000	-0.000	-0.000	-0.000	-0.000	-0.000	-0.000
J3	28.000	53.000	54.000	202.000	55.000	68.000	-0.000	-0.000	-0.000	-0.000

SPECIAL BRIDGE

SB	XK	XKOR	COPD	RDLEN	RWC	RWP	BAREA	SS	ELCHD	ELCHD
	.90	1.10	2.50	0.00	33.00	3.00	460.00	-0.00	543.40	543.40

*** NORFOLK-SOUTHERN RR SECTION R-1 ***

*** SECTION R-2 ***

*** SECTION R-3 ***

SPECIAL BRIDGE

SB	XK	XKOR	COPD	RDLEN	RWC	RWP	BAREA	SS	ELCHD	ELCHD
	0.00	1.10	2.50	0.00	41.00	0.00	500.00	-0.00	560.50	560.50

8076, LOW FLOW BY NORMAL BRIDGE

EGPRS= 0.000 EGRSC= 572.146 ELIC= 572.700 PCWSE= 571.643 ELTRD= 575.700

*** US 311 SECTION R-4 ***

*** SECTION R-5 ***

FINAL FHF TABLE

 INTERACTIVE HEC2 VERSION UPDATED FEB 1976
 ERROR CORRECTIONS 01,02,03,04,15,06,07,08,09
 MODIFICATIONS 50,51,52,53,54,55,56,57,58

T1 FPMS OR MADISON-MAYODAN FIS
 T2 50 YR NATURAL
 T3 REED CREEK

J1	ICHECK	INQ	NIHV	IDIR	STRT	METRIC	HVINS	Q	WSEL	FD
	-10.	5.	-0.	-0.	-0.000000	-0.00	-0.0	-0.	557.700	-0.000
J2	NPROF	IPLT	PREVS	XSECV	XSECH	FN	ALLOC	IBW	CHNIM	ITRACE
	2.000	-0.000	-1.000	-0.000	-0.000	-0.000	-0.000	-0.000	-0.000	-0.000

3280 CROSS SECTION .168,00 EXTENDED 2.70 FEET

SPECIAL BRIDGE

SB	XK	YKOR	COFO	RDLEN	BWC	BWP	BAREA	SS	FLCHU	ELCHD
	.90	1.10	2.50	-0.00	33.00	3.00	480.00	-0.00	543.40	543.40

NORFOLK-SOUTHERN RR SECTION R-1

*** SECTION R-2 ***

*** SECTION R-3 ***

SPECIAL BRIDGE

SB	XK	YKOR	COFO	RDLEN	BWC	BWP	BAREA	SS	FLCHU	ELCHD
	-0.00	1.14	2.50	-0.00	41.00	-0.00	500.00	-0.00	560.50	560.50

*** US 311 SECTION R-4 ***

*** SECTION R-5 ***

 INTERACTIVE HEC2 VERSION UPDATED FEB 1976
 ERROR CORRECTIONS 01,02,03,04,05,06,07,08,09
 MODIFICATIONS 50,51,52,53,54,55,56,57,58

T1 FPM5 RR MADISON-MAYODIAN FIS
 T2 100 YR NATURAL
 T3 PEEP CREEK

J1	ICHECK	ING	INIV	IDIR	STRT	METRIC	HVINS	G	WSEL	FO
	-10.	2.	-0.	-0.	-0.000000	-0.00	-0.0	-0.	560.300	-0.000
J2	NPROF	IPLDT	PRFVS	XSECV	XSECH	FN	ALLDC	IBW	CHNIM	ITRACE
	-3.000	-0.000	-1.000	-0.000	-0.000	-0.000	-0.000	-0.000	-0.000	-0.000

3280 CROSS SECTION 168.00 EXTENDED 5.30 FEET

SPECIAL BRIDGE

SB	XK	XKOR	COFO	RDLN	BWC	BWP	BAREA	SS	ELCHU	ELCHD
	.90	1.10	2.50	-0.00	33.00	3.00	480.00	-0.00	543.40	543.40

*** NORFOLK SOUTHERN RR SECTION R-1 ***

*** SECTION R-2 ***

*** SECTION R-3 ***

SPECIAL BRIDGE

SB	XK	XKOR	COFO	RDLN	BWC	BWP	BAREA	SS	ELCHU	ELCHD
	0.00	1.14	2.50	-0.00	41.00	-0.00	500.00	-0.00	560.50	560.50

*** US 311 SECTION R-4 ***

*** SECTION R-5 ***

 INTERACTIVE HEC2 VERSION UPDATED FEB 1976
 ERROR CORRECTIONS 01,02,03,04,05,06,07,08,09
 MODIFICATIONS 50,51,52,53,54,55,56,57,58

T1 FPMS RR MADISON-MAYODAN FIS
 T2 500 YR NATURAL
 T3 REED CREEK

J1	ICHECK	IND	MINV	IDIR	STRT	METRIC	HVINS	0	WSEL	F0
	-10.	4.	-0.	-0.	-0.000000	-0.00	-0.0	-0.	567.100	-0.000
J2	NPROF	IPL0T	PRFVS	XSECV	XSECH	FN	ALLDC	IRW	CHNIN	ITRACE
	15.000	-0.000	-1.000	-0.000	-0.000	-0.000	-0.000	-0.000	-0.000	-0.000

3250 CROSS SECTION 168.00 EXTENDED 12.16 FEET

SPECIAL BRIDGE

SB	XK	XKOR	COFO	RDLEN	RWC	RWP	BAREA	SS	ELCHU	ELCHD
	.90	1.10	2.50	-0.00	33.00	3.00	480.00	-0.00	543.40	543.40

NORFOLK-SOUTHERN RR SECTION R-1

*** SECTION R-2 ***

*** SECTION R-3 ***

SPECIAL BRIDGE

SB	XK	XKOR	COFO	RDLEN	RWC	RWP	BAREA	SS	ELCHU	ELCHD
	-0.00	1.10	2.50	-0.00	41.00	-0.00	500.00	-0.00	560.50	560.50

*** US 311 SECTION R-4 ***

*** SECTION R-5 ***

SUMMARY PRINTOUT

REED CREEK

SEGNO	CWSEL	EG	10K+S	HV	VCH	DIFWSP	STCHL	STCHR	STENCL	STENCR	SSTA
168.00	552.60	553.74	71.57	1.14	8.56	0.00	1380.00	1413.00	0.00	0.00	1380.0
168.00	557.70	559.51	72.37	1.81	10.81	5.10	1380.00	1413.00	0.00	0.00	1380.0
168.00	560.30	562.41	71.76	2.11	11.66	2.60	1380.00	1413.00	0.00	0.00	1380.0
168.00	567.10	569.95	72.03	2.85	13.55	6.80	1380.00	1413.00	0.00	0.00	1380.0
232.00	552.89	553.95	71.18	1.07	8.30	0.00	380.00	413.00	0.00	0.00	380.0
232.00	558.17	559.87	76.51	1.70	10.46	5.28	380.00	413.00	0.00	0.00	380.0
232.00	561.62	563.43	66.51	1.82	10.81	3.45	380.00	413.00	0.00	0.00	380.0
232.00	573.68	575.43	40.91	1.75	10.60	12.07	380.00	413.00	0.00	0.00	380.0
1100.00	558.52	559.03	46.48	.51	5.95	0.00	379.00	437.00	0.00	0.00	223.0
1100.00	562.95	563.20	20.32	.33	5.45	4.42	379.00	437.00	0.00	0.00	159.9
1100.00	565.69	565.94	12.75	.25	4.98	2.74	379.00	437.00	0.00	0.00	131.3
1100.00	576.32	576.42	2.97	.10	3.49	10.63	379.00	437.00	0.00	0.00	46.5
2500.00	564.41	564.84	37.02	.43	5.50	0.00	379.00	437.00	0.00	0.00	207.4
2500.00	566.74	567.34	41.94	.60	7.03	2.33	379.00	437.00	0.00	0.00	177.7
2500.00	568.28	568.85	35.24	.57	7.10	1.54	379.00	437.00	0.00	0.00	161.6
2500.00	576.89	577.10	7.73	.21	4.86	8.61	379.00	437.00	0.00	0.00	76.3
4000.00	568.67	568.92	20.56	.25	4.45	0.00	134.00	189.00	0.00	0.00	98.1
4000.00	571.52	571.86	22.26	.35	5.61	2.84	134.00	189.00	0.00	0.00	79.0
4000.00	572.73	573.13	23.20	.40	6.13	1.22	134.00	189.00	0.00	0.00	70.9
4000.00	578.29	578.58	12.40	.30	5.72	5.55	134.00	189.00	0.00	0.00	33.6
5000.00	570.72	570.96	20.20	.25	4.42	0.00	134.00	189.00	0.00	0.00	97.9
5000.00	573.69	574.02	20.86	.33	5.49	2.98	134.00	189.00	0.00	0.00	77.9
5000.00	574.98	575.35	21.25	.37	5.94	1.29	134.00	189.00	0.00	0.00	69.2
5000.00	579.61	579.95	14.66	.34	6.06	4.62	134.00	189.00	0.00	0.00	38.2
5300.00	571.30	571.49	15.06	.19	3.99	0.00	134.00	189.00	0.00	0.00	93.9
5300.00	574.31	574.59	16.47	.27	5.05	3.02	134.00	189.00	0.00	0.00	73.6
5300.00	575.62	575.94	17.16	.31	5.52	1.31	134.00	189.00	0.00	0.00	64.9
5300.00	580.06	580.37	13.11	.31	5.83	4.43	134.00	189.00	0.00	0.00	35.2
5585.00	571.64	572.15	23.42	.50	5.69	0.00	892.00	933.00	0.00	0.00	892.0
5585.00	574.47	575.70	45.17	1.23	8.90	2.83	892.00	933.00	0.00	0.00	892.0
5585.00	576.10	576.15	2.69	.05	2.48	1.63	892.00	933.00	0.00	0.00	502.7
5585.00	580.48	580.51	1.31	.03	2.04	4.38	892.00	933.00	0.00	0.00	319.1
5615.00	571.72	572.22	22.92	.50	5.65	0.00	892.00	933.00	0.00	0.00	892.0
5615.00	576.14	576.16	1.63	.03	1.93	4.42	892.00	933.00	0.00	0.00	501.8
5615.00	577.37	577.40	1.53	.03	1.97	1.24	892.00	933.00	0.00	0.00	453.0
5615.00	580.77	580.80	1.19	.03	1.97	3.40	892.00	933.00	0.00	0.00	305.9
5655.00	572.28	572.35	7.87	.07	2.95	0.00	900.00	940.00	0.00	0.00	618.1
5655.00	576.14	576.17	2.93	.03	2.25	3.86	900.00	940.00	0.00	0.00	501.6
5655.00	577.36	577.41	2.73	.04	2.30	1.24	900.00	940.00	0.00	0.00	452.7
5655.00	580.77	580.81	2.10	.04	2.31	3.39	900.00	940.00	0.00	0.00	305.6
6150.00	572.73	573.56	61.46	.63	7.76	0.00	900.00	940.00	0.00	0.00	773.6
6150.00	576.35	576.55	20.61	.20	5.11	3.61	900.00	940.00	0.00	0.00	581.5
6150.00	577.57	577.73	15.65	.16	4.81	1.23	900.00	940.00	0.00	0.00	546.4
6150.00	580.92	581.02	8.69	.10	4.19	3.34	900.00	940.00	0.00	0.00	431.2

SECNO	CWSEL	EG	10K+S	HV	VCH	DIFWSP	STCHL	STCHR	STENCL	STENCR	SSTA
7150.00	578.11	578.44	31.45	.33	5.42	0.00	900.00	940.00	0.00	0.00	669.3
7150.00	579.29	579.87	54.96	.59	7.80	1.18	900.00	940.00	0.00	0.00	618.0
7150.00	580.02	580.63	56.82	.61	8.32	.73	900.00	940.00	0.00	0.00	590.9
7150.00	582.36	582.83	43.30	.47	8.29	2.33	900.00	940.00	0.00	0.00	524.1
8400.00	582.79	583.29	47.49	.51	6.98	0.00	125.00	148.00	0.00	0.00	96.3
8400.00	585.93	586.61	52.30	.66	8.74	3.14	125.00	148.00	0.00	0.00	79.6
8400.00	587.08	587.69	56.08	.81	9.72	1.15	125.00	148.00	0.00	0.00	73.5
8400.00	589.16	590.46	83.06	1.29	12.70	2.08	125.00	148.00	0.00	0.00	62.4
8800.00	584.67	585.16	45.89	.49	6.90	0.00	125.00	148.00	0.00	0.00	95.9
8800.00	587.99	588.62	47.67	.64	8.46	3.32	125.00	148.00	0.00	0.00	78.2
8800.00	589.35	590.07	50.21	.72	9.23	1.36	125.00	148.00	0.00	0.00	71.0
8400.00	592.31	593.27	57.73	.96	11.15	2.96	125.00	148.00	0.00	0.00	55.2

FLOOD INSURANCE ZONE DATA FOR REED CREEK

FLOOD HAZARD FACTOR FOR ENTIRE REACH USING SECTIONS

SECTION NUMBER	CUMULATIVE DISTANCE	ELEVATION DIFFERENCE BETWEEN BASE FLOOD AND		
		10'	2'	0.2'
168.000	0.	-7.7	-2.6	6.8
232.000	64.	-8.7	-3.4	12.1
1100.000	932.	-7.2	-2.7	10.6
2500.000	2332.	-3.9	-1.5	8.6
4000.000	3632.	-4.1	-1.2	5.6
5000.000	4832.	-4.3	-1.3	4.6
5300.000	5132.	-4.3	-1.3	4.4
5585.000	5417.	-4.5	-1.6	4.4
5615.000	5447.	-5.7	-1.2	3.4
5655.000	5487.	-5.1	-1.2	3.4
6150.000	5982.	-4.8	-1.2	3.3
7150.000	6982.	-1.9	-.7	2.3
8400.000	8232.	-4.3	-1.1	2.1
8800.000	8632.	-4.7	-1.4	3.0
WEIGHTED AVG FOR REACH		-4.6	-1.5	5.9

FHF FOR THE REACH = 0.45 WITH 65.1% OF THE REACH WITHIN 1.0 FEET
 ZONE FOR THE REACH = A-9

CONTINUOUS FLOOD HAZARD FACTORS BY EVEN INCREMENTS

INC NO.	TOTAL LENGTH	AVG ELEVATION DATA		DIFF.	WTD. AVG.	FHF	PERCENT WITHIN
		10'	10'				
	0.					SEC.	168.000
1	120.	552.9	561.6	-8.7	-8.7	085	100.
	64.					SEC.	232.000
2	246.	553.6	562.7	-9.0	-8.9	090	100.
3	369.	554.5	562.8	-8.3	-8.7	085	100.
4	492.	555.3	563.3	-8.1	-8.5	085	100.
5	615.	556.1	563.9	-7.8	-8.4	085	100.
6	738.	556.9	564.5	-7.6	-8.3	085	100.
7	861.	557.7	565.1	-7.4	-8.1	080	100.
	932.					SEC.	1100.000
8	984.	558.4	565.6	-7.2	-8.0	080	100.
9	1107.	559.0	565.9	-6.9	-7.9	080	100.
10	1230.	559.5	566.1	-6.6	-7.6	080	100.
11	1353.	560.0	566.4	-6.3	-7.6	075	100.
12	1476.	560.6	566.6	-6.0	-7.5	075	100.
13	1599.	561.1	566.8	-5.7	-7.4	075	100.
14	1722.	561.6	567.0	-5.4	-7.2	070	100.
15	1845.	562.1	567.3	-5.2	-7.1	070	100.
16	1968.	562.6	567.5	-4.9	-6.9	070	50.
17	2091.	563.1	567.7	-4.6	-6.8	070	41.
18	2214.	563.7	567.9	-4.3	-6.7	065	44.

19	2537.	564.2	568.2	-4.0	-6.5	065	37.
20	2460.	564.6	568.5	-3.9	-6.4	065	35.
21	2583.	565.0	568.8	-3.9	-6.3	065	33.
22	2706.	565.3	569.2	-3.9	-6.2	060	32.
23	2829.	565.6	569.6	-3.9	-6.1	060	30.
24	2952.	566.0	569.9	-3.9	-6.0	060	29.
25	3075.	566.3	570.3	-4.0	-5.9	060	28.
26	3198.	566.7	570.7	-4.0	-5.8	060	27.
27	3321.	567.0	571.0	-4.0	-5.8	060	26.
28	3444.	567.4	571.4	-4.0	-5.7	055	25.
29	3567.	567.7	571.8	-4.0	-5.6	055	24.
30	3690.	568.1	572.1	-4.0	-5.6	055	20.
31	3813.	568.4	572.5	-4.0	-5.5	055	23.
	3832.					SEC. 4000.000	
32	3936.	568.8	572.8	-4.1	-5.5	055	22.
33	4059.	569.0	573.1	-4.1	-5.4	055	21.
34	4182.	569.3	573.4	-4.1	-5.4	055	21.
35	4305.	569.5	573.7	-4.2	-5.4	055	20.
36	4428.	569.8	573.9	-4.2	-5.3	055	19.
37	4551.	570.0	574.2	-4.2	-5.3	055	16.
38	4674.	570.3	574.5	-4.2	-5.3	055	18.
39	4797.	570.5	574.8	-4.2	-5.3	055	18.
	4832.					SEC. 5000.000	
40	4920.	570.8	575.0	-4.3	-5.2	050	23.
41	5043.	571.0	575.3	-4.3	-5.2	050	27.
	5132.					SEC. 5300.000	
42	5166.	571.2	575.6	-4.3	-5.2	050	31.
43	5289.	571.4	575.8	-4.4	-5.2	050	35.
44	5412.	571.6	576.0	-4.4	-5.1	050	36.
	5417.					SEC. 5585.000	
	5447.					SEC. 5615.000	
	5487.					SEC. 5655.000	
45	5535.	572.3	577.4	-5.1	-5.1	050	38.
46	5658.	572.4	577.4	-5.0	-5.1	050	39.
47	5781.	572.5	577.5	-5.0	-5.1	050	43.
48	5904.	572.6	577.5	-4.9	-5.1	050	44.
	5982.					SEC. 6150.000	
49	6027.	572.8	577.6	-4.8	-5.1	050	45.
50	6150.	573.3	577.8	-4.5	-5.1	050	48.
51	6273.	574.0	578.1	-4.2	-5.1	050	49.
52	6396.	574.6	578.4	-3.8	-5.1	050	50.
53	6519.	575.3	578.7	-3.4	-5.0	050	53.
54	6642.	576.0	579.0	-3.1	-5.0	050	54.
55	6765.	576.6	579.3	-2.7	-5.0	050	60.

ELEVATION DIFFERENCE
BETWEEN BASE FLOOD AND

10'	2'	0.2'	
WEIGHTED AVG FOR REACH	-5.0	-1.7	6.9

THE TOP REACH IS 300 WITH 50% OF THE REACH WITHIN 1.0 FEET
ZONE FOR THE REACH IS A10

56	6888.	577.3	579.6	-2.4	-2.4	025	100.
	6982.					SEC. 7150.000	
57	7011.	577.9	580.0	-2.1	-2.2	020	100.
58	7134.	578.4	580.5	-2.1	-2.2	020	100.
59	7257.	578.9	581.2	-2.3	-2.2	020	100.
60	7380.	579.4	581.9	-2.5	-2.3	025	100.
61	7503.	579.8	582.6	-2.8	-2.4	025	100.
62	7626.	580.3	583.3	-3.0	-2.5	025	100.
63	7749.	580.7	584.0	-3.3	-2.6	025	100.
64	7872.	581.2	584.7	-3.5	-2.7	025	100.
65	7995.	581.7	585.4	-3.7	-2.8	030	100.

66	8116.	582.7	586.1	-4.0	-2.9	0.50	98.
	8252.					SEC.	8400.000
67	8241.	582.6	586.8	-4.2	-3.0	0.50	99.
68	8364.	583.1	587.5	-4.4	-3.1	0.50	94.

=====

ELEVATION DIFFERENCE
BETWEEN BASE FLOOD AND

	100	20	0.20
WEIGHTED AVG FOR REACH	-3.1	-1.9	2.2

FHF FOR REACH 2 = 0.50 WITH 94% OF THE REACH WITHIN 1.0 FEET
ZONE FOR THE REACH = A 6

=====

69	8487.	583.7	588.2	-4.5	-4.5	0.45	100.
70	8610.	584.3	588.9	-4.6	-4.5	0.45	100.
	8632.					SEC.	8800.000

COPYRIGHT 1964 BY THE UNITED STATES GOVERNMENT

 INTERACTIVE HEC2 VERSION UPDATED FEB 1976
 ERROR CORRECTIONS 01,02,03,04,05,06,07,08,09
 MODIFICATIONS 50,51,52,53,54,55,56,57,58

FNF
3/19/76

C FPM BR REED CREEK FIS
 1 FPM BR MADISON-MAYODAN FIS
 T2 10 YR NATURAL
 T3 REED CREEK

J1	ICHECK	INC	NINV	IDIN	STRT	METRIC	HVINS	Q	WSEL	FO
	-1	6	-0	-0	007200	-0,00	-0,0	-0	552,600	-0,000

J2	NPROF	IPLT	PRFVS	XSECV	XSECH	FN	ALLDC	IBW	CHNIM	ITRACE
	1,000	-0,000	-1,000	-0,000	-0,000	-0,000	-0,000	-0,000	-0,000	-0,000

J3	21,000	22,000	27,000	28,000	53,000	54,000	-0,000	-0,000	-0,000	-0,000
	*PROF 1									

CCMV = .200 CEMV = .400

SECNO	DEPTH	CWSEL	CRWS	WSELK	EG	HV	HL	OLOSS	BANK	ELEV
Q	QLOB	QCH	GROB	ALOB	ACH	AROB	VOL	TWA	LEFT/RIGHT	
TIME	VLOB	VCH	VR0B	XNL	XNCH	XNR	WTN	ELMTN	SSTA	
SLOPE	XLOBL	XLCH	XLOBR	ITRIAL	IDC	ICONT	CORAR	TOPWID	ENDST	
*SECNO 1,000										
1,00	7,95	551,35	549,16	552,60	552,19	.84	0,00	0,00	550,00	
2600,	129,	2128,	343,	186,	262,	415,	0,	0,	549,50	
0,00	,69	8,11	,83	,150	,050	,150	0,000	543,40	1118,81	
.007252	-0,	-0,	-0,	0	11	1	0,00	731,45	1850,26	
*SECNO 2,000										
2,00	8,20	551,60	549,09	0,00	552,26	.65	.03	.04	550,00	
2600,	176,	1999,	425,	258,	271,	532,	0,	0,	549,50	
.00	,68	7,39	,80	,150	,050	,150	.042	543,40	1073,04	
.005766	5,	5,	5,	8	5	1	0,00	834,91	1907,95	
*SECNO 3,000										
3,00	8,42	551,82	0,00	0,00	552,34	.51	.05	.03	550,00	
2600,	222,	1878,	500,	333,	278,	653,	0,	0,	549,50	
.00	,67	6,75	.77	.150	.050	.150	.044	543,40	1030,81	
.004637	10,	10,	10,	2	0	1	0,00	930,35	1961,17	
*SECNO 4,000										
4,00	8,67	552,07	0,00	0,00	552,46	.39	.10	.02	550,00	
2600,	274,	1745,	580,	422,	286,	789,	1,	1,	549,50	
.00	,65	6,10	.74	.150	.050	.150	.047	543,40	977,24	
.003654	25,	25,	25,	2	0	1	0,00	1031,86	2009,10	

*SECNO 5,000
 SECNO DEPTH CWSEL CRWS WSELK EG HV HL OLOSS BANK ELEV

 INTERACTIVE HEC2 VERSION UPDATED FEB 1976
 ERROR CORRECTIONS 01,02,03,04,05,06,07,08,09
 MODIFICATIONS 50,51,52,53,54,55,56,57,58

T1 FRMS BR MADISON-MAYODAN FIS
 T2 50 YR NATURAL
 T3 REED CREEK

J1 TCHECK INO NINV IDIR STRY METRIC HVINS 0 WSEL FQ
 -10. 5. -0. -0. 007200 -0.00 -0.00 -0. 557.700 -0.000

J2 NPROF TPL0T PRFVS XSECV XSECH FN ALLDC IBM CHNIM ITRACE
 2.000 -0.000 -1.000 -0.000 -0.000 -0.000 -0.000 -0.000 -0.000 -0.000

*PRD
 CCHV= .200 CEHV= .400
 *SECNO 1.000

SECNO	DEPTH	CWSEL	CRWS	WSELK	EG	HV	HL	LOSS	BANK	ELEV
Q	QLOB	QCH	QROB	ALOB	ACH	AROB	VOL	TWA	LEFT/RIGHT	
TIME	VLOB	VCH	VROB	XL	XNCH	XNR	WTN	ELMIN	SSTA	
SLOPE	XLOBL	XLCH	XLOBR	ITRIAL	IDC	ICONT	CORAR	TOPWID	ENDST	
1.00	9.30	552.70	0.00	557.70	553.37	.67	0.00	0.00	550.00	
5100.	833.	2731.	1537.	740.	307.	1190.	0.	0.	549.50	
0.00	1.12	8.90	1.29	.150	.050	.150	0.000	543.40	768.00	
.007083	0.	0.	0.	0	0	6	0.00	1324.80	2092.80	

*SECNO 2.000

2.00	9.51	552.91	0.00	0.00	553.43	.52	.03	.03	550.00	
5100.	923.	2542.	1635.	872.	314.	1331.	0.	0.	549.50	
.00	1.06	8.11	1.23	.150	.050	.150	.042	543.40	699.81	
.005710	5.	5.	5.	4	0	1	0.00	1420.27	2120.08	

*SECNO 3.000

3.00	9.69	553.09	0.00	0.00	553.50	.41	.05	.02	550.00	
5100.	1007.	2375.	1718.	1014.	320.	1475.	1.	0.	549.50	
.00	.99	7.42	1.17	.150	.050	.150	.044	543.40	633.61	
.004652	10.	10.	10.	2	0	1	0.00	1512.95	2146.56	

*SECNO 4.000

4.00	9.90	553.30	0.00	0.00	553.62	.32	.10	.02	550.00	
5100.	1091.	2218.	1792.	1174.	327.	1628.	3.	1.	549.50	
.00	.93	6.79	1.10	.150	.050	.150	.047	543.40	565.28	
.003782	25.	25.	25.	2	0	1	0.00	1608.61	2173.89	

*SECNO 5.000

SECNO	DEPTH	CWSEL	CRWS	WSELK	EG	HV	HL	LOSS	BANK	ELEV
Q	QLOB	QCH	QROB	ALOB	ACH	AROB	VOL	TWA	LEFT/RIGHT	
TIME	VLOB	VCH	VROB	XL	XNCH	XNR	WTN	ELMIN	SSTA	
SLOPE	XLOBL	XLCH	XLOBR	ITRIAL	IDC	ICONT	CORAR	TOPWID	ENDST	

 INTERACTIVE WEC2 VERSION UPDATED FEB 1976.
 ERROR CORRECTIONS 01,02,03,04,05,06,07,08,09
 MODIFICATIONS 50,51,52,53,54,55,56,57,58

T1 EPMS BR MADISON-MAYODAN FIS
 T2 100 YR NATURAL
 T3 REED CREEK

J1 ICHECK INC NINV IDIR STRT METRIC HVINS 0 WSEL FQ
 -10. 2. -0. -0. 007200 -0.00 -0.0 -0. 560.300 -0.000

J2 NPROP JPLOT PRFVS XSECV XSECH FN ALLDC IBW CHNIM ITRAGE
 3.000 -0.000 -1.000 -0.000 -0.000 -0.000 -0.000 -0.000 -0.000 -0.000

*PROF 3
 CCMV* .200 CENV* .400
 *SECNO 1.000

SECNO	DEPTH	CWSEL	CRINS	WSELK	EQ	HV	HL	OLOSS	BANK	ELEV
Q	QLOB	QCH	QROB	ALOB	ACH	AROB	VOL	TWA	LEFT/RIGHT	
TIME	VLOB	VCH	VROB	XLN	XNCH	XNR	WTN	ELMIN	SSTA	
SLOPE	XLOBL	XLCH	XLOBR	ITRIAL	IDC	ICONT	CORAR	TOPWID	ENDST	
1.00	9.75	553.15	0.00	560.30	553.77	.62	0.00	0.00	550.00	
6500.	1310.	2976.	2214.	1052.	322.	1512.	0.	0.	549.50	
0.00	1.25	9.25	1.46	.150	.050	.150	0.000	543.40	616.85	
.007179	-0.	-0.	-0.	0	0	7	0.00	1536.40	2153.26	

*SECNO 2.000
 2.00 9.91 553.31 0.00 0.00 553.83 .52 .03 .02 550.00
 6500. 1392. 2824. 2285. 1176. 327. 1630. 0. 0. 549.50
 .00 1.18 8.64 1.40 .150 .050 .150 .042 543.40 564.33
 .006126 5. 5. 5. 3 0 1 0.00 1609.94 2174.27

*SECNO 3.000
 3.00 10.08 553.48 0.00 0.00 553.90 .42 .06 .02 550.00
 6500. 1482. 2663. 2356. 1328. 333. 1769. 1. 1. 549.50
 .00 1.12 8.00 1.33 .150 .050 .150 .044 543.40 504.49
 .005130 10. 10. 10. 2 0 1 0.00 1693.72 2198.20

*SECNO 4.000
 4.00 10.31 553.71 0.00 0.00 554.04 .33 .11 .02 550.00
 6500. 1590. 2478. 2432. 1534. 340. 1949. 3. 2. 549.50
 .00 1.04 7.28 1.25 .150 .050 .150 .047 543.40 429.43
 .004128 25. 25. 25. 2 0 1 0.00 1798.80 2228.23

*SECNO 5.000
 SECNO DEPTH CWSEL CRINS WSELK EQ HV HL OLOSS BANK ELEV
 Q QLOB QCH QROB ALOB ACH AROB VOL TWA LEFT/RIGHT
 TIME VLOB VCH VROB XLN XNCH XNR WTN ELMIN SSTA
 SLOPE XLOBL XLCH XLOBR ITRIAL IDC ICONT CORAR TOPWID ENDST

COMPUTER SERVICES @ LOCK HAVEN CORP. INC.

 INTERACTIVE HEC2 VERSION UPDATED FEB 1976
 ERROR CORRECTIONS-01,02,03,04,05,06,07,08,09
 MODIFICATIONS-50,51,52,53,54,55,56,57,58

T1 FPMS BR MADISON-MAYODAN FIS
 T2 500 YR NATURAL
 T3 REED CREEK

J1 ICHECK IND NINV IDIR STRY METRIC HVINS 0 WSEL FQ

-10. 4. -0. -0. .007200 -0.00 -0.0 -0. 567.100 -0.000

J2 NPROF IPLOT PRFVS XSECV XSECH FN ALLDC IBM CHNIM ITRACE

15.000 -0.000 -1.000 -0.000 -0.000 -0.000 -0.000 -0.000 -0.000 -0.000

*PROP 4

CCMV = .200 CEMV = .400

*SECNO 1.000

SECNO	DEPTH	CWSEL	CRIS	WSELK	EG	HV	HL	LOSS	BANK	ELEV
0	GLOB	GCH	OROB	ALOB	ACH	AROB	VOL	TWA	LEFT/RIGHT	
TIME	VLOB	VCH	VRDB	XNL	XNCH	XNR	WTN	ELMIN	SSTA	
SLOPE	XLOB	XLCH	XLDB	ITRIAL	IDC	ICONT	CORAR	TOPWID	ENDST	

1.00	10.78	554.18	0.00	567.10	554.71	.53	0.00	0.00	550.00	
10600.	2936.	3503.	4161.	2017.	356.	2346.	0.	0.	549.50	
0.00	1.46	9.85	1.77	.150	.050	.150	0.000	543.40	272.98	
.007111	-0.	-0.	-0.	0	0	7	0.00	2017.82	2290.81	

*SECNO 2.000

2.00	10.87	554.27	0.00	0.00	554.75	.48	.03	.01	550.00	
10600.	2999.	3409.	4192.	2120.	359.	2428.	1.	0.	549.50	
.00	1.41	9.50	1.73	.150	.050	.150	.042	543.40	242.24	
.006549	5.	5.	5.	2	0	1	0.00	2060.86	2303.10	

*SECNO 3.000

3.00	11.01	554.41	0.00	0.00	554.82	.42	.06	.01	550.00	
10600.	3089.	3279.	4232.	2277.	363.	2549.	2.	1.	549.50	
.00	1.36	9.03	1.66	.150	.050	.150	.044	543.40	197.16	
.005813	10.	10.	10.	2	0	1	0.00	2123.97	2321.13	

*SECNO 4.000

4.00	11.24	554.64	0.00	0.00	554.97	.33	.13	.02	550.00	
10600.	3239.	3070.	4291.	2563.	371.	2766.	5.	2.	549.50	
.00	1.26	8.28	1.55	.150	.050	.150	.047	543.40	119.10	
.004751	25.	25.	25.	2	0	1	0.00	2233.26	2352.36	

*SECNO 5.000

3280 CROSS SECTION 5.00 EXTENDED .00 FEET

CONRAD INTERNATIONAL INC. 10000 BAYVIEW ROAD, SCOTTSDALE, ARIZONA 85258

FLOOD INSURANCE ZONE DATA FOR REED CREEK

FLOOD HAZARD FACTOR FOR ENTIRE REACH USING SECTIONS

SECTION NUMBER	CUMULATIVE DISTANCE	ELEVATION DIFFERENCE BETWEEN BASE FLOOD AND		
		10'	2'	0.2'
1,000	0	-1.8	-0.5	1.0
2,000	5	-1.7	-0.4	1.0
3,000	15	-1.7	-0.4	0.9
4,000	40	-1.6	-0.4	0.9
5,000	100	-1.6	-0.4	1.0
168,000	268	-1.6	-1.6	4.1
232,000	332	-5.7	-2.2	3.2
282,000	382	-7.6	-3.7	6.4
1100,000	1220	-5.6	-1.6	4.5
2500,000	2620	-3.7	-1.2	3.5
4000,000	4120	-4.0	-1.2	3.0
5000,000	5120	-4.3	-1.3	3.1
5300,000	5420	-4.3	-1.3	3.1
5585,000	5705	-4.5	-1.6	3.2
5615,000	5735	-5.7	-1.2	2.4
5655,000	5775	-5.1	-1.2	2.4
6150,000	6270	-4.6	-1.2	2.4
7150,000	7270	-1.9	-0.7	2.0
8400,000	8520	-4.3	-1.1	2.3
8800,000	8920	-4.7	-1.4	3.0
WEIGHTED AVG FOR REACH		-4.2	-1.3	3.2

FHF FOR THE REACH = 0.40 WITH 72.6% OF THE REACH WITHIN 1.0 FEET ZONE FOR THE REACH = A-B

CONTINUOUS FLOOD HAZARD FACTORS BY EVEN INCREMENTS

INC NO.	TOTAL LENGTH	AVG ELEVATION DATA			WTD AVG.	FHF	PERCENT WITHIN
		10'	1'	DIFF.			
1	0				SEC.	1,000	
1	100	553.9	554.8	-0.9	-0.9	010	100
	5				SEC.	2,000	
	15				SEC.	3,000	
	40				SEC.	4,000	
	100				SEC.	5,000	
2	200	552.4	554.0	-1.6	-1.2	010	100
	268				SEC.	168,000	
3	300	552.5	555.1	-2.6	-1.7	015	33
	332				SEC.	232,000	
	382				SEC.	282,000	
4	400	553.2	560.8	-7.6	-3.2	030	25
5	500	553.6	561.1	-7.4	-4.0	040	0
6	600	554.3	561.5	-7.2	-4.5	045	0
7	700	555.0	561.9	-6.9	-4.9	050	0
8	800	555.6	562.3	-6.7	-5.4	050	0

CONTINUED FROM SHEET 1000 REED CREEK, ILL.

8	800.	555.8	562.5	-6.7	-5.1	050	0.
9	900.	556.3	562.8	-6.4	-5.3	055	0.
10	1000.	557.0	563.2	-6.2	-5.3	055	10.
11	1100.	557.6	563.6	-6.0	-5.4	055	18.
12	1200.	558.3	564.0	-5.7	-5.4	055	25.

SEC, 1100,000

13	1300.	558.9	564.4	-5.5	-5.4	055	31.
14	1400.	559.3	564.7	-5.4	-5.4	055	36.
15	1500.	559.7	564.9	-5.2	-5.4	055	40.
16	1600.	560.1	565.2	-5.1	-5.4	055	44.
17	1700.	560.5	565.5	-5.0	-5.4	055	47.
18	1800.	560.9	565.7	-4.8	-5.3	055	50.
19	1900.	561.3	566.0	-4.7	-5.3	055	53.
20	2000.	561.7	566.2	-4.6	-5.3	055	55.
21	2100.	562.1	566.5	-4.4	-5.2	050	57.
22	2200.	562.5	566.8	-4.3	-5.2	050	55.
23	2300.	562.9	567.0	-4.2	-5.1	050	57.
24	2400.	563.3	567.3	-4.0	-5.1	050	54.
25	2500.	563.6	567.5	-3.9	-5.1	050	52.
26	2600.	564.0	567.8	-3.8	-5.0	050	54.

SEC, 2500,000

27	2700.	564.4	568.1	-3.7	-5.0	050	48.
28	2800.	564.7	568.4	-3.7	-4.9	050	46.
29	2900.	565.0	568.7	-3.7	-4.9	050	48.
30	3000.	565.3	569.0	-3.7	-4.8	050	47.
31	3100.	565.6	569.3	-3.8	-4.8	050	45.
32	3200.	565.9	569.7	-3.8	-4.8	050	50.
33	3300.	566.2	570.0	-3.8	-4.7	045	58.
34	3400.	566.4	570.3	-3.9	-4.7	045	59.
35	3500.	566.7	570.6	-3.9	-4.7	045	66.
36	3600.	567.0	570.9	-3.9	-4.7	045	67.
37	3700.	567.3	571.2	-3.9	-4.6	045	68.
38	3800.	567.6	571.6	-4.0	-4.6	045	68.
39	3900.	567.9	571.9	-4.0	-4.6	045	69.
40	4000.	568.2	572.2	-4.0	-4.6	045	70.
41	4100.	568.5	572.5	-4.0	-4.6	045	71.

SEC, 4000,000

42	4200.	568.7	572.8	-4.1	-4.6	045	71.
43	4300.	568.9	573.0	-4.1	-4.6	045	72.
44	4400.	569.2	573.2	-4.1	-4.5	045	73.
45	4500.	569.4	573.5	-4.1	-4.5	045	73.
46	4600.	569.6	573.7	-4.1	-4.5	045	74.
47	4700.	569.8	573.9	-4.2	-4.5	045	72.
48	4800.	570.0	574.1	-4.2	-4.5	045	73.
49	4900.	570.2	574.4	-4.2	-4.5	045	73.
50	5000.	570.4	574.6	-4.2	-4.5	045	74.
51	5100.	570.6	574.8	-4.2	-4.5	045	75.

SEC, 5000,000

52	5200.	570.8	575.0	-4.3	-4.5	045	75.
53	5300.	571.0	575.3	-4.3	-4.5	045	75.
54	5400.	571.2	575.5	-4.3	-4.5	045	76.

SEC, 5300,000

55	5500.	571.3	575.7	-4.3	-4.5	045	76.
----	-------	-------	-------	------	------	-----	-----

ELEVATION DIFFERENCE
BETWEEN BASE FLOOD AND
10# 2# 0.2#

WEIGHTED AVG FOR REACH -4.5 -1.5 3.7

FHF FOR REACH 1 = 0.45 WITH 76% OF THE REACH WITHIN 1.0 FEET
ZONE FOR THE REACH = A 9

56	5600.	571.5	575.8	-4.4	-4.4	045	100.
57	5700.	571.6	576.0	-4.4	-4.4	045	100.

SEC, 5585,000

58	5800.	572.3	577.4	-5.1	-4.6	045	100.
59	5900.	572.3	577.4	-5.1	-4.7	045	100.
60	6000.	572.4	577.4	-5.0	-4.8	050	100.
61	6100.	572.5	577.5	-5.0	-4.8	050	100.
62	6200.	572.6	577.5	-4.9	-4.8	050	100.
	6270.					SEC, 6150.000	
63	6300.	572.8	577.6	-4.8	-4.8	050	100.
64	6400.	573.2	577.8	-4.6	-4.8	050	100.
65	6500.	573.7	578.0	-4.3	-4.8	050	100.
66	6600.	574.2	578.3	-4.0	-4.7	045	100.
67	6700.	574.8	578.5	-3.7	-4.6	045	100.
68	6800.	575.3	578.7	-3.4	-4.5	045	99.
69	6900.	575.9	579.0	-3.1	-4.4	045	99.
70	7000.	576.4	579.2	-2.8	-4.3	045	97.

ELEVATION DIFFERENCE
BETWEEN BASE FLOOD AND

100 20 0.20
WEIGHTED AVG FOR REACH -4.3 -1.2 2.4

FNF FOR REACH 2 = 045 WITH 97% OF THE REACH WITHIN 1.0 FEET
ZONE FOR THE REACH = A 9

71	7100.	576.9	579.5	-2.6	-2.6	025	100.
72	7200.	577.5	579.7	-2.3	-2.4	025	100.
	7270.					SEC, 7150.000	
73	7300.	578.0	580.0	-2.0	-2.3	025	100.
74	7400.	578.4	580.5	-2.1	-2.2	020	100.
75	7500.	578.8	581.0	-2.3	-2.2	020	100.
76	7600.	579.2	581.6	-2.4	-2.3	025	100.
77	7700.	579.5	582.2	-2.6	-2.3	025	100.
78	7800.	579.9	582.7	-2.8	-2.4	025	100.
79	7900.	580.3	583.3	-3.0	-2.5	025	100.
80	8000.	580.7	583.9	-3.2	-2.5	025	100.
81	8100.	581.0	584.4	-3.4	-2.6	025	100.
82	8200.	581.4	585.0	-3.6	-2.7	025	100.
83	8300.	581.8	585.6	-3.8	-2.8	030	99.
84	8400.	582.2	586.1	-4.0	-2.9	030	99.
85	8500.	582.5	586.7	-4.2	-2.9	030	98.
	8520.					SEC, 8400.000	
86	8600.	582.9	587.2	-4.3	-3.0	030	98.
87	8700.	583.4	587.8	-4.4	-3.1	030	94.
88	8800.	583.9	588.4	-4.5	-3.2	030	94.
89	8900.	584.3	588.9	-4.6	-3.3	035	91.
	8920.					SEC, 8800.000	

CONSULT ENGINEER'S REPORT BOOK G-1000000

SUMMARY PRINTOUT

REED CREEK

SECNO	CWSEL	EG	HV	VCH	DIFWSP	STCHL	STCHR	STENCL	STENCR	SSTA	ENDST
1.00	551.35	552.19	.84	8.11	0.00	1380.00	1413.00	0.00	0.00	1118.81	1850.2
1.00	552.70	553.37	.67	8.90	1.35	1380.00	1413.00	0.00	0.00	768.00	2092.8
1.00	553.15	553.77	.62	9.25	.45	1380.00	1413.00	0.00	0.00	616.85	2153.2
1.00	554.18	554.71	.53	9.85	1.03	1380.00	1413.00	0.00	0.00	272.98	2290.8
2.00	551.60	552.26	.65	7.35	0.00	1380.00	1413.00	0.00	0.00	1073.04	1907.9
2.00	552.91	553.43	.52	8.11	1.30	1380.00	1413.00	0.00	0.00	699.81	2120.0
2.00	553.31	553.83	.52	8.64	.40	1380.00	1413.00	0.00	0.00	564.33	2174.2
2.00	554.27	554.75	.48	9.50	.96	1380.00	1413.00	0.00	0.00	242.24	2303.1
3.00	551.82	552.34	.51	6.75	0.00	1380.00	1413.00	0.00	0.00	1030.81	1961.1
3.00	553.09	553.50	.41	7.42	1.27	1380.00	1413.00	0.00	0.00	633.61	2146.5
3.00	553.48	553.90	.42	6.00	.39	1380.00	1413.00	0.00	0.00	504.49	2198.2
3.00	554.41	554.82	.42	9.03	.93	1380.00	1413.00	0.00	0.00	197.16	2321.1
4.00	552.07	552.46	.39	6.10	0.00	1380.00	1413.00	0.00	0.00	977.24	2009.1
4.00	553.30	553.62	.32	6.79	1.23	1380.00	1413.00	0.00	0.00	565.28	2173.8
4.00	553.71	554.04	.33	7.28	.41	1380.00	1413.00	0.00	0.00	429.43	2228.2
4.00	554.64	554.97	.33	8.28	.93	1380.00	1413.00	0.00	0.00	119.10	2352.3
5.00	552.43	552.67	.24	5.14	0.00	1380.00	1413.00	0.00	0.00	857.17	2057.1
5.00	553.61	553.84	.23	5.96	1.18	1380.00	1413.00	0.00	0.00	462.83	2214.8
5.00	554.04	554.27	.23	6.38	.43	1380.00	1413.00	0.00	0.00	320.28	2271.8
5.00	555.00	555.24	.24	7.28	.96	1380.00	1413.00	0.00	0.00	0.00	2400.0
168.00	552.43	553.61	1.18	8.73	0.00	1380.00	1413.00	0.00	0.00	1380.00	1413.0
* 168.00	552.42	556.98	4.56	17.13	.01	1380.00	1413.00	0.00	0.00	1380.00	1413.0
* 168.00	554.01	559.36	5.36	18.57	1.58	1380.00	1413.00	0.00	0.00	1380.00	1413.0
* 168.00	558.09	565.51	7.43	21.87	4.08	1380.00	1413.00	0.00	0.00	1380.00	1413.0
232.00	552.74	553.85	1.10	8.43	0.00	380.00	413.00	0.00	0.00	380.00	413.0
* 232.00	556.16	558.44	2.28	12.11	3.42	380.00	413.00	0.00	0.00	380.00	413.0
* 232.00	558.40	561.08	2.68	13.13	2.24	380.00	413.00	0.00	0.00	380.00	413.0
* 232.00	561.56	566.42	4.85	17.68	3.16	380.00	413.00	0.00	0.00	380.00	413.0
282.00	553.18	554.19	1.01	8.05	0.00	380.00	413.00	0.00	0.00	380.00	413.0
282.00	557.07	559.01	1.94	11.22	3.88	380.00	413.00	0.00	0.00	281.41	436.7
282.00	560.76	561.76	1.00	8.97	3.70	380.00	413.00	0.00	0.00	182.70	442.9
282.00	567.12	567.54	.42	6.95	6.36	380.00	413.00	0.00	0.00	116.47	452.3
1100.00	558.78	559.23	.45	5.65	0.00	379.00	437.00	0.00	0.00	212.76	441.1
1100.00	562.76	563.12	.35	5.58	3.98	379.00	437.00	0.00	0.00	161.78	446.9
1100.00	564.33	564.69	.36	5.81	1.57	379.00	437.00	0.00	0.00	145.47	448.8
1100.00	568.83	569.17	.34	6.00	4.50	379.00	437.00	0.00	0.00	98.34	454.3
2500.00	564.32	564.76	.45	5.60	0.00	379.00	437.00	0.00	0.00	211.12	441.2
2500.00	566.74	567.34	.61	7.03	2.42	379.00	437.00	0.00	0.00	177.74	444.8
2500.00	567.98	568.61	.63	7.41	1.25	379.00	437.00	0.00	0.00	164.75	446.5
2500.00	571.48	572.11	.63	7.87	3.50	379.00	437.00	0.00	0.00	128.30	450.8
4000.00	568.68	568.93	.25	4.44	0.00	134.00	189.00	0.00	0.00	98.10	316.9
4000.00	571.51	571.86	.35	5.61	2.83	134.00	189.00	0.00	0.00	79.05	328.2
4000.00	572.73	573.13	.40	6.12	1.22	134.00	189.00	0.00	0.00	70.94	332.9
4000.00	575.72	576.23	.51	7.22	2.99	134.00	189.00	0.00	0.00	50.89	346.8

COPYRIGHT © 1988 BY THE UNIVERSITY OF MICHIGAN LIBRARY

SECNO	CWSEL	EQ	HV	VCH	DIFWSP	STCHL	STCHR	STENCL	STENCR	SSTA	ENDST
5000.00	570.72	570.97	.25	4.42	0.00	134.00	189.00	0.00	0.00	97.92	317.0
5000.00	573.69	574.02	.33	5.49	2.97	134.00	189.00	0.00	0.00	77.98	328.8
5000.00	574.98	575.35	.37	5.95	1.29	134.00	189.00	0.00	0.00	69.28	333.9
5000.00	578.07	578.54	.47	6.97	3.09	134.00	189.00	0.00	0.00	48.52	348.8
5300.00	571.30	571.50	.19	3.99	0.00	134.00	189.00	0.00	0.00	93.89	319.4
5300.00	574.31	574.59	.27	5.05	3.01	134.00	189.00	0.00	0.00	73.70	331.3
5300.00	575.62	575.94	.31	5.52	1.31	134.00	189.00	0.00	0.00	64.95	336.5
5300.00	578.75	579.15	.41	6.54	3.12	134.00	189.00	0.00	0.00	43.93	352.6
5585.00	571.64	572.15	.50	5.69	0.00	892.00	933.00	0.00	0.00	892.00	933.0
5585.00	574.47	575.70	1.23	8.91	2.82	892.00	933.00	0.00	0.00	892.00	933.0
5585.00	576.10	576.15	.05	2.48	1.63	892.00	933.00	0.00	0.00	502.81	1214.4
5585.00	579.31	579.35	.04	2.39	3.21	892.00	933.00	0.00	0.00	372.41	1231.5
5615.00	571.72	572.22	.50	5.65	0.00	892.00	933.00	0.00	0.00	892.00	933.0
5615.00	576.13	576.16	.03	1.93	4.41	892.00	933.00	0.00	0.00	501.88	1214.6
5615.00	577.37	577.40	.03	1.97	1.24	892.00	933.00	0.00	0.00	453.06	1221.2
5615.00	579.78	579.81	.04	2.24	2.40	892.00	933.00	0.00	0.00	351.08	1234.1
5655.00	572.28	572.35	.07	2.95	0.00	900.00	940.00	0.00	0.00	618.08	1168.1
5655.00	576.14	576.17	.03	2.25	3.86	900.00	940.00	0.00	0.00	501.72	1214.6
5655.00	577.38	577.41	.03	2.30	1.24	900.00	940.00	0.00	0.00	452.72	1221.2
5655.00	579.78	579.82	.04	2.62	2.40	900.00	940.00	0.00	0.00	350.75	1234.1
6150.00	572.74	573.56	.83	7.78	0.00	900.00	940.00	0.00	0.00	773.58	1090.9
6150.00	576.35	576.55	.20	5.12	3.61	900.00	940.00	0.00	0.00	581.55	1198.4
6150.00	577.57	577.73	.16	4.82	1.23	900.00	940.00	0.00	0.00	546.46	1206.2
6150.00	579.99	580.13	.14	4.89	2.41	900.00	940.00	0.00	0.00	468.56	1217.1
7150.00	578.11	578.44	.33	5.42	0.00	900.00	940.00	0.00	0.00	669.31	1134.4
7150.00	579.29	579.87	.59	7.80	1.18	900.00	940.00	0.00	0.00	618.04	1168.1
7150.00	580.02	580.63	.61	8.32	.73	900.00	940.00	0.00	0.00	590.91	1189.0
7150.00	582.02	582.57	.55	8.84	2.00	900.00	940.00	0.00	0.00	533.82	1208.6
8400.00	582.79	583.29	.51	6.98	0.00	125.00	148.00	0.00	0.00	96.34	236.1
8400.00	585.93	586.61	.68	8.74	3.14	125.00	148.00	0.00	0.00	79.63	248.0
8400.00	587.08	587.89	.81	9.72	1.15	125.00	148.00	0.00	0.00	73.52	252.3
8400.00	589.40	590.63	1.23	12.41	2.32	125.00	148.00	0.00	0.00	61.23	260.7
8800.00	584.67	585.16	.49	6.90	0.00	125.00	148.00	0.00	0.00	95.94	236.4
8800.00	587.99	588.62	.64	8.46	3.32	125.00	148.00	0.00	0.00	78.26	249.0
8800.00	589.35	590.07	.72	9.23	1.36	125.00	148.00	0.00	0.00	71.03	254.1
8800.00	592.38	593.33	.95	11.08	3.03	125.00	148.00	0.00	0.00	54.89	264.9

POSSIBLE ERROR SECNO= 168.00 PROFILE= 2 CRITICAL DEPTH ASSUMED

POSSIBLE ERROR SECNO= 168.00 PROFILE= 3 CRITICAL DEPTH ASSUMED

POSSIBLE ERROR SECNO= 168.00 PROFILE= 3-20 TRIALS REQUIRED TO BALANCE WSEL

POSSIBLE ERROR SECNO= 168.00 PROFILE= 4 CRITICAL DEPTH ASSUMED

POSSIBLE ERROR SECNO= 168.00 PROFILE= 4-20 TRIALS REQUIRED TO BALANCE WSEL

CONTINUED PREVIOUS PAGE

 INTERACTIVE HEC2 VERSION UPDATED FEB 1976
 ERROR CORRECTIONS 01,02,03,04,05,06,07,08,09
 MODIFICATIONS 50,51,52,53,54,55,56,57,58

Handwritten:
 Attach FHE table
 3/15/76

C FPM BR REED CREEK FIS
 1 FPM BR MADISON-MAYSPAN FIS
 T2 10 YR NATURAL
 T3 REED CREEK

J1	ICHECK	INC	MINV	IDIR	STRT	METRIC	HVINS	Q	WSEL	FO
	-10.	6.	-0.	-0.	-0.000000	-0.00	-0.0	-0.	552.600	-0.000
J2	NPROF	IPLGT	PRFVE	XSECV	XSECH	FN	ALLDC	TBW	CPNIM	ITRACE
	1.000	0.000	-1.000	-0.000	-0.000	-0.000	-0.000	-0.000	-0.000	-0.000
J3	53.000	54.000	202.000	55.000	70.000	-0.000	-0.000	-0.000	-0.000	-0.000

SPECIAL BRIDGE

SB	XK	YKOR	COFO	PDLEN	PWC	BWP	BAREA	SS	ELCHU	ELCHD
	90	1.10	2.50	0.00	33.00	3.00	480.00	-0.00	543.40	543.40

*** NORFOLK-SOUTHERN RR SECTION R-1 ***

*** SECTION R-2 ***

*** SECTION R-3 ***

SPECIAL BRIDGE

SB	XK	YKOR	COFO	PDLEN	PWC	BWP	BAREA	SS	ELCHU	ELCHD
	00.00	1.10	2.50	0.00	41.00	-0.00	500.00	-0.00	560.50	560.50

6070 LOW FLOW BY NORMAL BRIDGE

IGPNSF	000000	PEPNSF	572.146	ELICEF	572.700	POKSEF	571.643	ELTRDF	575.700
--------	--------	--------	---------	--------	---------	--------	---------	--------	---------

*** US 311 SECTION R-4 ***

*** SECTION R-5 ***

 INTERACTIVE HLG2 VERSION UPDATED FEB 1976
 ERROR CORRECTIONS 01,02,03,04,05,06,07,08,09
 MODIFICATIONS 50,51,52,53,54,55,56,57,58

T1 FPM5 RR MADISON-MAYOHAN EIS
 T2 50 YR NATURAL
 T3 REED CREEK

J1	TGHECK	INO	MINV	IDIR	STPT	METRIC	HVINS	0	WSEL	FO
	-10.	5.	-0.	-0.	-0.000000	-0.00	-0.0	-0.	557.700	-0.000
J2	NPROF	IPLT	PREVS	XSECV	XSECH	FN	ALLDC	IBW	CHNIM	ITRACE
	2.000	-0.000	-1.000	-0.000	-0.000	-0.000	-0.000	-0.000	-0.000	-0.000

3200 CROSS SECTION 168.00 EXTENDED 2.70 FEET

SPECIAL BRIDGE

SB	XK	XKOR	COFO	RDLEN	BWC	BWP	BAREA	SS	ELCHU	ELCHD
	90	1.10	2.50	3.00	33.00	3.000	430.00	0.00	543.40	543.40

NORFOLK-SOUTHERN RR SECTION R-1

*** SECTION R-2 ***

*** SECTION R-3 ***

SPECIAL BRIDGE

SB	XK	XKOR	COFO	RDLEN	BWC	BWP	BAREA	SS	ELCHU	ELCHD
	9.00	1.14	2.50	3.00	41.00	0.00	500.00	0.00	560.50	560.50

*** US 311 SECTION R-4 ***

*** SECTION R-5 ***

CONSULT WITH THE AUTHOR BEFORE REPRODUCING THIS DOCUMENT

 INTERACTIVE HEC2 VERSION UPDATED FEB 1976
 ERROR CORRECTIONS 01,02,03,04,05,06,07,08,09
 MODIFICATIONS 50,51,52,53,54,55,56,57,58

T1 FPM5 BR MADISON-MAYODAN FIS
 T2 100 YR NATURAL
 T3 REED CREEK

J1	ICHECK	IND	NINV	IDIR	STRT	METRIC	HVINS	Q	WSEL	FO
	-10	2	-0	-0	-0.000000	-0.00	-0.0	-0	560.300	-0.000
J2	PROP	PLUT	PRFS	XSECV	XSECH	FN	ALLDC	IRW	CHNIM	ITRACE
	3.000	0.000	-1.000	-0.000	0.000	0.000	0.000	-0.000	0.000	0.000

32.0 CROSS SECTION 100.00 EXTENDED 5.30 FEET

SPECIAL BRIDGE

SB	KK	KKOR	COFO	RDLEN	RWC	RWP	BAREA	SS	ELCHU	ELCHD
	.90	1.13	2.50	-0.00	33.00	3.00	480.00	-0.00	543.40	543.40

*** NORFOLK-SOUTHERN RR SECTION R-1 ***

*** SECTION R-2 ***

*** SECTION R-3 ***

SPECIAL BRIDGE

SB	KK	KKOR	COFO	RDLEN	RWC	RWP	BAREA	SS	ELCHU	ELCHD
	0.00	1.14	2.50	-0.00	41.00	-0.00	500.00	-0.00	560.50	560.50

*** US 311 SECTION R-4 ***

*** SECTION R-5 ***

 INTERACTIVE HEC2 VERSION UPDATED FEB 1976
 ERROR CORRECTIONS 01,02,03,04,05,06,07,08,09
 MODIFICATIONS 50,51,52,53,54,55,56,57,58

T1 FRMS BR MADISON-MAYDUAN FIS
 T2 500 YR NATURAL
 T3 REFD CREEK

J1	ICHECK	INO	MINV	IBIR	STRT	METRIC	HVINS	Q	WSFL	FO
	-10.	4.	-6.	-0.	-0.000000	0.00	-0.0	-0.	567.100	-0.000
J2	XPPOF	IPIOT	PRFVS	XSECV	XSECH	FN	ALLOD	IHW	CANIM	ITRACE
	15.000	-0.000	-1.001	-0.000	-0.000	-0.000	-1.000	-0.000	-0.000	-0.000

3200 CROSS SECTION 168.00 EXTENDED 12.10 FEET

SPECIAL BRIDGE

SB	KK	KKOR	COFF	COLEN	SWC	SWP	PARBA	SS	FLCHD	FLCHD
	.90	1.10	2.50	-0.00	35.00	5.00	400.00	-0.00	543.40	543.40

NO REFLECTED FLOW IN BR SECTION R-1

*** SECTION R-2 ***

*** SECTION R-3 ***

SPECIAL BRIDGE

SB	KK	KKOR	COFF	COLEN	SWC	SWP	PARBA	SS	FLCHD	FLCHD
	0.00	1.14	2.50	-0.10	41.00	-0.00	500.00	-0.00	560.50	560.50

*** US 111 SECTION R-1 ***

*** SECTION R-5 ***

CONTRACT INTERLOCK ROOM WATER TOWER

FLOOD INSURANCE ZONE DATA FOR NEED CREEK

FLOOD HAZARD FACTOR FOR ENTIRE REACH USING SECTIONS

SECTION NUMBER	CUMULATIVE DISTANCE	ELEVATION DIFFERENCE BETWEEN BASE FLOOD AND		
		1.0'	2'	0.25'
168.000	0.	-7.7	-2.6	6.8
232.000	64.	-8.7	-3.4	12.1
1100.000	932.	-7.2	-2.7	10.6
2570.000	2312.	-3.9	-1.5	8.6
4000.000	3832.	-4.1	-1.2	5.9
5000.000	4832.	-4.3	-1.3	4.6
5300.000	5132.	-4.3	-1.3	4.4
5585.000	5417.	-4.3	-1.3	4.4
5615.000	5447.	-4.7	-1.2	3.4
5665.000	5487.	-4.1	-1.2	3.4
6150.000	5992.	-4.8	-1.2	3.3
7150.000	6992.	-1.9	-1.7	2.3
8400.000	8242.	-0.3	-1.1	2.1
8600.000	8632.	-4.7	-1.1	3.0
WEIGHTED AVG FOR REACH		-4.0	-1.5	5.2

END FOR THE REACH = 143 WITH 53.1% OF THE REACH WITHIN 1.0 FEET
 70% OF THE REACH = A 9

CONTINUOUS FLOOD HAZARD FACTORS BY EVEN INCREMENTS

INC NO.	TOTAL LENGTH	AVG ELEVATION DATA			WTD. AVG.	FHF	PERCENT WITHIN
		1.0'	1'	DIFF.			
1	123.	552.9	561.6	-8.7	-3.7	085	100.
2	246.	553.0	562.7	-9.0	-6.9	090	100.
3	369.	554.5	562.8	-8.3	-8.7	095	100.
4	492.	555.3	563.3	-8.1	-8.5	085	100.
5	615.	556.1	563.9	-7.8	-8.4	085	100.
6	738.	556.3	564.5	-7.6	-8.3	085	100.
7	861.	557.7	565.1	-7.4	-8.1	080	100.
8	984.	558.4	565.0	-7.2	-8.0	080	100.
9	1107.	559.8	565.9	-5.9	-7.9	080	100.
10	1230.	559.5	566.1	-5.5	-7.8	080	100.
11	1353.	560.0	566.4	-5.3	-7.6	075	100.
12	1476.	560.0	566.0	-5.2	-7.5	075	100.
13	1599.	561.1	566.8	-5.7	-7.4	075	100.
14	1722.	561.6	567.0	-5.4	-7.2	070	100.
15	1845.	562.1	567.3	-5.2	-7.1	070	100.
16	1968.	562.6	567.5	-4.9	-6.9	070	50.
17	2091.	563.1	567.7	-4.6	-6.8	070	41.
18	2214.	563.7	567.9	-4.3	-6.7	065	44.

COPYRIGHT 1970 BY HOOR ENGINEERING CO., INC.

19	2387.	564.2	568.2	-4.0	-6.5	065	37.
20	2460.	564.6	568.5	-3.9	-6.4	065	35.
21	2583.	565.0	568.8	-3.9	-6.3	065	33.
22	2706.	565.3	569.2	-3.9	-6.2	060	32.
23	2829.	565.6	569.6	-3.9	-6.1	060	30.
24	2952.	566.0	569.9	-3.9	-6.0	060	29.
25	3075.	566.3	570.3	-4.0	-5.9	060	28.
26	3198.	566.7	570.7	-4.0	-5.8	060	27.
27	3321.	567.0	571.0	-4.0	-5.6	060	25.
28	3444.	567.4	571.4	-4.0	-5.7	055	25.
29	3567.	567.7	571.8	-4.0	-5.6	055	24.
30	3690.	568.1	572.1	-4.0	-5.6	055	20.
31	3813.	568.4	572.5	-4.0	-5.5	055	23.
	3832.					SEC. 4000.000	
32	3936.	568.8	572.8	-4.1	-5.5	055	22.
33	4059.	569.0	573.1	-4.1	-5.4	055	21.
34	4182.	569.3	573.4	-4.1	-5.4	055	21.
35	4305.	569.5	573.7	-4.1	-5.4	055	20.
36	4428.	569.8	573.9	-4.2	-5.3	055	19.
37	4551.	570.0	574.2	-4.2	-5.3	055	16.
38	4674.	570.3	574.5	-4.2	-5.3	055	18.
39	4797.	570.5	574.8	-4.2	-5.3	055	19.
	4832.					SEC. 5000.000	
40	4950.	570.8	575.0	-4.2	-5.2	050	23.
41	5043.	571.0	575.3	-4.3	-5.2	050	27.
	5132.					SEC. 5500.000	
42	5166.	571.2	575.6	-4.3	-5.2	050	31.
43	5289.	571.4	575.9	-4.4	-5.2	050	35.
44	5412.	571.7	576.1	-4.4	-5.1	050	36.
	5417.					SEC. 5585.000	
	5447.					SEC. 5615.000	
	5487.					SEC. 5655.000	
45	5585.	572.0	577.4	-4.4	-5.1	050	38.
46	5658.	572.4	577.6	-4.4	-5.1	050	39.
47	5781.	572.8	577.8	-4.4	-5.1	050	43.
48	5904.	573.0	577.9	-4.4	-5.1	050	44.
	5982.					SEC. 6150.000	
49	6027.	573.2	577.6	-4.5	-5.1	050	45.
50	6150.	573.3	577.8	-4.5	-5.1	050	48.
51	6273.	573.5	578.1	-4.6	-5.1	050	49.
52	6396.	574.0	578.6	-4.6	-5.1	050	50.
53	6519.	575.3	578.7	-3.4	-5.0	050	53.
54	6642.	576.0	579.0	-3.1	-5.0	050	54.
55	6765.	576.6	579.3	-2.7	-5.0	050	60.

ELEVATION DIFFERENCE
BETWEEN BASE FLOOD AND

WEIGHTED AVG FOR REACH

-5.0 41.7 0.0

FHE FOR REACH = 1 = 650 WITH 50% OF THE REACH WITHIN 1.0 FEET
ZONE FOR THE REACH = A10

56	6888.	577.3	579.6	-2.4	-2.4	025	100.
	6982.					SEC. 7150.000	
57	7011.	577.9	580.1	-2.1	-2.2	020	100.
58	7134.	578.4	580.5	-2.1	-2.2	020	100.
59	7257.	578.9	581.2	-2.3	-2.2	020	100.
60	7380.	579.4	581.9	-2.6	-2.3	025	100.
61	7503.	579.8	582.6	-2.8	-2.4	025	100.
62	7626.	580.3	583.3	-3.0	-2.5	025	100.
63	7749.	580.7	584.0	-3.3	-2.6	025	100.
64	7872.	581.2	584.7	-3.5	-2.7	025	100.
65	7995.	581.7	585.4	-3.7	-2.8	030	100.

67	8232.	582.6	586.6	-4.2	-3.0	030	99.
68	8364.	583.1	587.5	-4.4	-3.1	030	94.
69	8487.	583.7	588.2	-4.5	-3.2	030	94.
70	8610.	584.3	588.9	-4.6	-3.3	035	93.

8632.0 SEC. 8800.000

ELEVATION DIFFERENCE
BETWEEN BASE FLOOD AND

WEIGHTED AVG FOR REACH 10% 2% 0.2%
-3.3 -1.0 2.3

FHF FOR REACH 2 = 035 WITH 93% OF THE REACH WITHIN 1.0 FEET
ZONE FOR THE REACH = A 7

 INTERACTIVE HEC2 VERSION UPDATED FEB 1976
 ERROR CORRECTIONS 01,02,03,04,05,06,07,08,09
 MODIFICATIONS 50,51,52,53,54,55,56,57,58

100722

runned
 w/ division
 as marked

[Handwritten scribbles]

C 1PH RR REED CREEK FIS
 11 FMS RR MADISON-HAYODAN FIS
 T2 10 YR TATOKAI
 T3 REED CREEK

J1	ICHECK	TND	DMV	TDIR	STPT	METRIC	HVINS	WSEL	FO	
	-10.	6.	-9.	-0.	-0.000000	-0.00	-0.0	-0.	552.600	-0.000
J2	UPROF	IPLOT	PREVS	XSECV	XSECH	IN	ALDRC	IRW	CHMIN	ITRACE
	1.000	0.000	-1.000	-0.000	-0.000	-0.000	-0.000	-0.000	-0.000	-0.000

*PROF 1

CCNV=	.200	CHV=	.400							
SFCNO	DEPTH	CMSL	CRWS	WSEL	FG	HV	HL	GLSS	BANK	FLEV
0	0.00	0.00	0.00	552.60	553.74	1.14	0.00	0.00	557.00	
TIME	VLPB	VCH	VROB	XNL	XNCH	XNR	VTH	ELNIN	SSTA	
SLOPE	XLPH	XLCH	XLPH	ITRIAL	IDC	ICONT	COFAR	TOPWID	ENDST	

OVERBANK AREA ASSUMED NON-EFFECTIVE, ELREA=	577.20	ELREA=	576.60						
188.00	9.20	552.60	0.00	552.60	553.74	1.14	0.00	0.00	557.00
250.00	0.00	260.00	0.00	0.00	304.00	0.00	0.00	0.00	549.50
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	543.40	1380.00
.007157	-1.	-0.	-0.	0	0	0	0.00	33.00	1413.00

5119.2
 543.4
 6.4
 10071

SPECIAL BRIDGE

SB	YK	YKCR	COFG	FDLEN	INC	ENP	SAREA	SS	ELCHU	FLCHD
	.90	1.10	2.30	0.00	33.00	3.00	480.00	-0.00	543.40	543.40

CLASS A LOW FLOW

BRIDGE W.S.= 552.22 BRIDGE VELOCITY= 9.52

EGPRS	EGLWC	F3	QWDIR	OPP	SAREA	ELLC	ELTRD	CLASS
0.00	553.96	.29	0.	2600.	480.	559.40	576.60	1.00

OVERBANK AREA ASSUMED NON-EFFECTIVE, ELREA= 577.20 ELREA= 576.60

NORFOLK-SOUTHERN RR SECTION R-1

232.00	9.49	552.89	0.00	0.00	553.96	1.07	.22	0.00	557.00
--------	------	--------	------	------	--------	------	-----	------	--------

 INTERACTIVE HEC2 VERSION UPDATED FEB 1976
 ERROR CORRECTIONS 01,02,03,04,05,06,07,08,09
 MODIFICATIONS 50,51,52,53,54,55,56,57,58

T1 PPMS BR MADISON-MAYODAN FIS
 T2 50 YR NATURAL
 T3 REED CREEK

J1	TCHECK	TNO	NINW	TDIR	STPT	METRIC	HVINS	0	WSEL	FO
	-10.	5.	-0.	-0.	-0.000000	-0.00	-0.0	-0.	557.700	-0.000
J2	NPROF	IPIOT	PREVS	XSECV	YSECH	FN	ALLDC	IPW	CHNIM	ITRACE
	2.000	-0.000	-1.000	-0.000	-0.000	-0.000	-0.000	-0.000	-0.000	-0.000

*PROF 2

CCRV= .200 REPV= .400
 3200 CROSS SECTION 168.00 EXTENDED 2.70 FEET

SECTION	DEPTH	CHSEL	CRWS	WSELK	EG	HV	HL	OLOSS	BANK FLEV
Q	GLFB	QCH	OROB	ALOP	ACH	AKOB	VOL	TWA	LEFT/RIGHT
TTRF	VLCB	VCH	VROB	XNL	XNCH	XNR	VTM	EDMIN	SSTA
SLOPE	XLDBI	XDBP	XLDBR	ITRIAI	IDC	ICONT	COPAR	TOPWID	ENDST

OVERBANK AREA ASSUMED NON-EFFECTIVE, ELREA=	577.20	ELREA=	576.60
168.00	16.30	557.70	0.00
5100.	0.	5100.	0.
0.00	7.00	10.61	0.00
.007257	-0.	-0.	-0.

SPECIAL BRIDGE

SB	PK	YKOR	COFO	RDLEN	HWC	RWP	BAREA	SS	ELCHU	FLCHD
	.90	1.10	2.50	-0.00	33.00	3.00	480.00	-0.00	543.40	543.40

CLASS / LOW FLOW

BRIDGE W.S.= 557.09 BRIDGE VELOCITY= 12.41

FGPRS	EGW	H3	QWEIR	QPR	BAREA	ELCC	ELTRD	CLASS
559.63	559.87	.47	0.	5100.	480.	559.40	576.60	1:90

OVERBANK AREA ASSUMED NON-EFFECTIVE, ELREA= 577.30 ELREA= 576.60

 INTERACTIVE HEC2 VERSION UPDATED FEB 1976
 ERROR CORRECTIONS 01,02,03,04,05,06,07,08,09
 MODIFICATIONS 50,51,52,53,54,55,56,57,58

T1: FPM5 BR MADISON-MAYODAN FIS
 T2: 100 YR NATURAL
 T3: REED CREEK

J1	ICHECK	IND	VINV	IDIR	STRT	ETRIC	HVINS	WSEL	F0	
	-10.	2.	-0.	-0.	-0.000000	-0.00	-0.0	560.300	-0.000	
J2	NPROF	IPLOT	PRFVS	XSECV	XSECH	FN	ALLDC	ISW	CHNIM	ITRACE
	3.000	-0.000	-1.000	-0.000	-0.000	-0.000	-0.000	-0.000	-0.000	-0.000

*PROF 3

CCHV= .200 CHVE= .400
 3200 CROSS SECTION 100.00 EXTENDED 5.30 FEET

SPONO	DEPTH	CWSEL	CRWS	WSELK	EG	HV	HL	LOSS	BANK ELEV
Q	ALOB	QCH	CRCS	ALCR	ACH	ARCR	VOL	TWA	LEFT/RIGHT
TIME	VELR	VCH	VRCS	XVL	XVCH	XVR	VTV	ELMIN	SSTA
SLOPE	XLDBL	XLCH	XLDBR	ITRBL	IDC	ICONT	CORAR	TOP10	ENDST

OVERBANK AREA ASSUMED NON-EFFECTIVE, ELLEA= 577.20 ELRFA= 576.60

148.30	11.90	560.30	0.70	560.30	562.11	2.11	0.00	0.00	551.00
5900.	70.	5900.	1.	70.	590.	0.	2.	0.	549.50
0.00	0.00	11.00	0.70	0.00	0.050	0.060	0.000	543.40	1380.00
.007176	-0.	-0.	-0.	0	0	1	0.00	33.00	1413.00

SPECIAL BRIDGE

SB	XK	KCOR	COFO	EDLEN	BWCV	BWP	HAREA	SS	ELCHU	ELCHD
15	.90	1.10	2.50	-0.00	33.00	3.00	480.00	-0.00	543.40	543.40

PRESSURE FLOW

EGPRS	EGWV	H3	QVEIR	QPR	HAREA	ELLC	ELTRD	CLASS
563.43	552.82	.84	0.	5500.	480.	559.40	576.60	10:00

OVERBANK AREA ASSUMED NON-EFFECTIVE, ELLEA= 577.20 ELREA= 576.60

 INTERACTIVE PEG2 VERSION UPDATED FEB 1975
 ERROR CORRECTIONS 01,02,03,04,05,06,07,08,09
 MODIFICATIONS 50,51,52,53,54,55,56,57,58

T1 FPHS BY MADISON-MAYODAN FIS
 T2 100 YR NATURAL
 T3 REEF CHECK

J1	ICHECK	INJ	MINV	DIR	STAT	METRIC	HVINS	WSEL	F0	
	-10.	2.	-0.	-0.	-0.000000	-0.00	-0.0	-0.	560.300	-0.000

J2	NPREF	IPLOT	PREVS	XSECV	XSECH	FN	ALLDC	IBW	CHN14	ITRACE
	51.000	-0.000	-1.000	-0.000	-0.000	-0.000	-0.000	-0.000	-0.000	-0.000

*PRUF 3

COHV= .200 CHV= .400
 3280 CROSS SECTION 163.00 EXTENDED 5.30 FEET

SFCNO	DEPTH	WSEL	CRIST	WSELK	EG	HV	HL	GLOSS	BANK ELEV
0	DL08	QCH	DR08	AL03	ACH	AR08	VOL	TWA	LEFT/RIGHT
TIME	VL09	VCH	VR08	XL	XVCH	XNR	NTN	ELMIN	STA
SLOPE	XL08L	XLCH	XL08R	ITRIAL	IDC	IDONT	CDRAR	TOP10	ENDST

OVERBANK AREA ASSUMED NON-EFFECTIVE, ELLEA= 577.20 ELREA= 576.60

168.00	15.70	560.30	0.00	560.30	562.41	2.11	0.00	0.00	550.00
5500.	0.	5500.	0.	0.	553.	0.	0.	0.	549.50
0.00	0.00	11.65	0.00	0.00	0.050	0.060	0.000	543.40	1380.00
0.007176	-0.	-0.	0.	0	0	1	0.00	33.00	1413.00

SPECIAL BRIDGE

SB	KK	KKOR	COFO	ROLEN	940	3WP	WAREA	SS	ELCHU	ELCHD
	.90	1.10	2.50	-0.00	53.00	3.00	490.00	-0.00	543.40	543.40

PRESSURE FLUT

EGPRS	EGUVC	HS	QVEIR	OPR	WAREA	ELLC	ELTRD	CLASS
563.43	562.92	.54	0.	550.	490.	559.40	576.60	10.00

OVERBANK AREA ASSUMED NON-EFFECTIVE, ELLEA= 577.20 ELREA= 576.60

 INTERACTIVE HEC2 VERSION UPDATED FEB 1976
 ERROR CORRECTIONS 01,02,03,04,05,06,07,08,09
 MODIFICATIONS 50,51,52,53,54,55,56,57,58

T1 FPM5 BR MADISON-MAYODAN FIS
 T2 500 YR NATURAL
 T3 REFD CREEK

J1	ICPECK	INO	NINV	IDIR	STRT	METRIC	HVINS	0	WSEL	FG
	-10.	4.	-0.	-0.	-0.000000	-0.00	-0.0	-0.	567.100	-0.000

J2	NPROF	TPL0T	PREVS	XSECV	XSFCH	FN	ALLDC	IBW	CHNIM	ITRACE
	15.000	-0.000	-1.000	-0.000	-0.000	-0.000	-0.000	-0.000	-0.000	-0.000

*PROF

CCHV= .200 CHV= .400
 3280 CROSS SECTION 168.00 EXTENDED 12.19 FEET

SECON	DEPTH	WSEL	CRHS	WSELK	FG	HV	HL	LOSS	BANK ELEV
0	QLOB	QCH	QROB	ALOB	ACH	AROB	VOL	TWA	LEFT/RIGHT
TIME	VLOB	VCH	VROB	XML	XROB	XRR	WTN	ELMIN	SSTA
SLOPF	XLHBL	XLCH	XLGR	ITRIAL	IPC	ICONT	CORAR	TOPWID	ENDST

OVERBANK AREA ASSUMED NON-EFFECTIVE, ELLEA= 577.20 ELREA= 576.60

178.00	23.70	567.10	0.00	567.10	569.95	2.85	0.00	0.00	550.00
10600.	0.	10600.	0.	0.	782.	0.	0.	0.	549.50
0.00	0.00	13.55	0.00	0.00	0.050	0.060	0.000	543.40	1360.00
.007203	-0.	-0.	-0.	0	0	1	0.00	33.00	1413.00

SPECIAL BRIDGE

S3	XK	YKOR	COFO	EDLEN	RWC	RHP	RAREA	SS	ELCHU	ELCHD
	.90	1.10	2.50	-0.00	33.00	3.00	480.00	-0.00	543.40	543.40

3301 HV CHANGED MORE THAN HVINS

PRESSURE FLOW

ECPRS	EQLWC	R3	QURR	OPR	RAREA	ELIC	ELTRD	CLASS
575.43	570.56	.71	0.	10600.	480.	554.40	576.60	10.00

OVERBANK AREA ASSUMED NON-EFFECTIVE, ELLEA= 577.20 ELREA= 576.60

CONDUIT INFORMATION @ JACOBS ENGINEERING GROUP, INC.

FLOOD INSURANCE ZONE DATA FOR DEED CREEK

FLOOD HAZARD FACTOR FOR ENTIRE REACH USING SECTIONS

SECTION NUMBER	CUMULATIVE DISTANCE	ELEVATION DIFFERENCE BETWEEN BASE FLOOD AND		
		10'	2'	0.2'
168.000	0.	-7.7	-2.6	6.8
232.000	64.	-8.7	-3.4	17.1
1100.000	932.	-7.2	-2.7	10.6
2500.000	2332.	-3.9	-1.5	8.6
4000.000	3832.	-4.1	-1.2	5.6
5000.000	4832.	-4.3	-1.3	4.6
5300.000	5132.	-4.3	-1.3	4.4
5595.000	5417.	-4.5	-1.6	4.6
5615.000	5447.	-5.7	-1.2	3.6
5695.000	5487.	-5.1	-1.2	3.4
6150.000	5987.	-7.8	-1.2	3.3
7150.000	6982.	-1.9	-1.7	2.3
8400.000	8232.	-4.3	-1.1	2.1
WEIGHTED AVG FOR REACH		-4.6	-1.6	5.0

PHF FOR THE REACH = 0.95 WITH 61.3% OF THE REACH WITHIN 1.0 FEET ZONE FOR THE REACH = A 9

CONTINUOUS FLOOD HAZARD FACTORS BY EVEN INCREMENTS

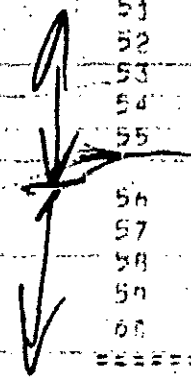
INC NO.	TOTAL LENGTH	AVG ELEVATION DATA			WTDG. AVG.	PHF	PERCENT WITHIN
		10'	1'	DIFF.			
SEC. 168.000							
1	126.	552.9	561.5	-8.7	-8.7	085	100.
SEC. 232.000							
2	252.	552.5	562.7	-9.1	-8.9	090	100.
3	378.	554.9	562.8	-8.3	-8.7	085	100.
4	504.	555.3	563.4	-8.0	-8.5	085	100.
5	630.	554.2	564.0	-7.8	-8.4	085	100.
6	756.	557.8	565.8	-7.5	-8.5	085	100.
7	882.	557.8	565.2	-7.4	-8.1	080	100.
SEC. 1100.000							
8	1008.	558.5	565.0	-7.1	-8.0	080	100.
9	1134.	559.1	565.9	-7.8	-7.9	080	100.
10	1260.	559.5	566.2	-6.5	-7.7	075	100.
11	1386.	560.2	566.6	-6.2	-7.6	075	100.
12	1512.	561.7	566.5	-5.9	-7.5	070	100.
13	1638.	561.2	566.9	-5.7	-7.3	070	100.
14	1764.	561.8	567.1	-4.4	-7.2	070	100.

=====

ELEVATION DIFFERENCE BETWEEN BASE FLOOD AND			
	10'	2'	0.2'
WEIGHTED AVG FOR REACH	-7.2	-2.8	10.9

HP FOR REACH 1 = 0.70 WITH 100% OF THE REACH WITHIN 2.0 FEET
 ZONE FOR THE REACH = A14

15	1890.	562.3	567.3	-5.1	-5.1	050	100.
16	2015.	562.8	567.6	-4.8	-4.9	050	100.
17	2142.	563.3	567.8	-4.5	-4.8	050	100.
18	2268.	563.9	568.0	-4.2	-4.6	045	100.
SEC. 2500.000							
19	2394.	564.4	568.3	-3.9	-4.5	045	100.
20	2520.	564.8	568.7	-3.9	-4.4	045	100.
21	2646.	565.1	569.0	-3.9	-4.3	045	95.
22	2772.	565.5	569.4	-3.9	-4.3	045	95.
23	2898.	565.8	569.8	-3.9	-4.2	040	96.
24	3024.	566.2	570.1	-3.9	-4.2	040	96.
25	3150.	566.6	570.5	-4.0	-4.2	040	96.
26	3276.	566.9	570.9	-4.0	-4.2	040	96.
27	3402.	567.3	571.3	-4.0	-4.1	040	96.
28	3528.	567.6	571.6	-4.0	-4.1	040	96.
29	3654.	568.0	572.0	-4.0	-4.1	040	97.
30	3780.	568.3	572.4	-4.0	-4.1	040	97.
SEC. 4000.000							
31	3906.	568.7	572.7	-4.1	-4.1	040	97.
32	4032.	569.0	573.0	-4.1	-4.1	040	97.
33	4158.	569.2	573.3	-4.1	-4.1	040	97.
34	4284.	569.5	573.6	-4.1	-4.1	040	97.
35	4410.	569.7	573.9	-4.2	-4.1	040	97.
36	4536.	570.0	574.2	-4.2	-4.1	040	97.
37	4662.	570.2	574.5	-4.2	-4.1	040	97.
38	4788.	570.5	574.7	-4.2	-4.1	040	97.
SEC. 5000.000							
39	4914.	570.8	575.0	-4.3	-4.1	040	97.
40	5040.	571.0	575.3	-4.3	-4.1	040	98.
SEC. 5300.000							
41	5132.	571.2	575.6	-4.3	-4.2	040	98.
42	5292.	571.4	575.8	-4.4	-4.2	040	98.
SEC. 5585.000							
43	5417.	571.6	576.0	-4.4	-4.2	040	98.
SEC. 5615.000							
SEC. 5655.000							
44	5544.	572.3	577.0	-5.1	-4.2	040	98.
45	5670.	572.4	577.4	-5.0	-4.2	040	98.
46	5796.	572.5	577.5	-5.0	-4.3	045	98.
47	5922.	572.6	577.5	-4.9	-4.3	045	98.
SEC. 6150.000							
48	6048.	572.9	577.6	-4.8	-4.3	045	98.
49	6174.	573.4	577.9	-4.5	-4.3	045	98.
50	6300.	573.1	578.2	-4.1	-4.3	045	98.
51	6426.	574.8	578.5	-3.7	-4.3	045	98.
52	6552.	575.5	578.8	-3.4	-4.2	040	98.
53	6678.	576.1	579.1	-3.0	-4.2	040	96.
54	6804.	576.8	579.4	-2.6	-4.2	040	94.
55	6930.	577.5	579.7	-2.2	-4.1	040	93.
SEC. 7150.000							
56	7056.	578.1	580.2	-2.1	-4.1	040	89.
57	7182.	578.6	580.5	-2.2	-4.0	040	84.
58	7308.	579.1	581.5	-2.4	-4.1	040	83.
59	7434.	579.6	582.0	-2.7	-4.0	040	81.
60	7560.	580.0	582.9	-2.9	-3.9	040	80.



ELEVATION DIFFERENCE
 BETWEEN BASE FLOOD AND

WEIGHTED AVG FOR REACH -2.9 -1.7 5.1

577.8
 577.6

THE FDR REACH 2' WITH 0.8 OF THE REACH WITHIN 1.0 FEET

ZONE FOR THE REACH = A B

=====

61	7686.	580.4	583.6	-3.1	-3.1	036	100.
62	7812.	581.0	584.4	-3.4	-3.3	035	100.
63	7938.	581.5	585.1	-3.6	-3.4	035	100.
64	8064.	581.9	585.8	-3.9	-3.5	035	100.
65	8190.	582.4	586.5	-4.1	-3.6	035	100.
	8232.						

SEC. 8400.000

CONTINUOUS PRINTING BY MOORE BUSINESS FORMS CO. INC.

 INTERACTIVE HEC2 VERSION UPDATED FEB 1976
 ERROR CORRECTIONS 01,02,03,04,05,06,07,08,09
 MODIFICATIONS 50,51,52,53,54,55,56,57,58

preliminary
~~Table~~
 FHF Table
 3/10/76

C FPM BR REED CREEK FIS
 1 FPM BR MADISON-MAYODAN FIS
 T2 10 YR NATURAL
 T3 REED CREEK

J1	ICHECK	INO	NJNV	IDIR	STPT	METRIC	HVINS	D	WSEL	FO
	-10.	6.	-0.	-0.	-0.000000	-0.00	-0.0	-0.	552.600	-0.000
J2	NPROF	IPLOT	PRFVS	XSECV	XSECH	FV	ALLDC	IBW	CHNIM	ITRACE
	1.000	-0.000	-1.000	-0.000	-0.000	-0.000	-0.000	-0.000	-0.000	-0.000

SPECIAL BRIDGE

SB	XK	XKOR	COFO	RDLEN	BVC	BWP	BAREA	SS	ELCHU	ELCHD
	.90	1.10	2.50	-0.00	33.00	3.00	480.00	-0.00	543.40	543.40

NORFOLK-SOUTHERN RR SECTION R-1

*** SECTION R-2 ***

*** SECTION R-3 ***

SPECIAL BRIDGE

SB	XK	XKOR	COFO	RDLEN	BVC	BWP	BAREA	SS	ELCHU	ELCHD
	-0.00	1.14	2.50	-0.00	41.00	-0.00	500.00	-0.00	560.50	560.50

6070, LOW FLOW BY NORMAL BRIDGE

EGPRS= 0.000 EGLIC= 572.140 ELIC= 572.700 PCASE= 571.643 ELTRD= 575.700

*** US 311 SECTION R-4 ***

*** SECTION R-5 ***

 INTERACTIVE H.C.2 VERSION UPDATED FEB 1976
 ERROR CORRECTIONS 01,02,03,04,05,06,07,08,09
 MODIFICATIONS 50,51,52,53,54,55,56,57,58

T1 EPMS BR MADISON-MAYODAN FIS
 T2 50 YR NATURAL
 T3 REED CREEK

J1	ICHECK	IND	NINV	IDIR	STRT	METRIC	HVINS	Q	WSEL	FO
	-18.	5.	-0.	-0.	-0.000000	-0.00	-0.0	-0.	557.700	-0.000
J2	NPROF	JPLOT	PREVS	XSECV	XSECH	FN	ALLDC	IBW	CHNIM	ITRACE
	2.000	90.000	-1.000	-0.000	-0.000	-0.000	-0.000	-0.000	-0.000	-0.000

3280 CROSS SECTION 168.00 EXTENDED 2.70 FEET

SPECIAL BRIDGE

SB	XK	XKOR	COFO	RDLEN	RWC	RWP	BAREA	SS	ELCHU	ELCHD
	.90	1.10	2.50	-0.00	33.00	3.00	480.00	-0.00	543.40	543.40

NOPEFOLK-SOUTHERN RR SECTION R-1

*** SECTION R-2 ***

*** SECTION R-3 ***

SPECIAL BRIDGE

SB	XK	XKOR	COFO	RDLEN	RWC	RWP	BAREA	SS	ELCHU	ELCHD
	-0.00	1.14	2.50	-0.00	41.00	-0.00	500.00	-0.00	560.50	560.50

*** US 311 SECTION R-4 ***

*** SECTION R-5 ***

 INTERACTIVE HEC2 VERSION UPDATED FEB 1976
 ERROR CORRECTIONS 01,02,03,04,05,06,07,08,09
 MODIFICATIONS 50,51,52,53,54,55,56,57,58

T1 FMS BR MADISON-MADONAN FIS
 T2 100 YR NATURAL
 T3 PLED SOREN

J1	ICHECK	END	MINV	IBIR	SIST	METRIC	HVINS	0	WSEL	FO
	-10.	2.	501	-0.	0.000000	-0.00	-0.0	-0.	560,300	-0.000
J2	MPOF	IPLGT	PREVS	YSECV	XSECH	FN	ALLDC	IBH	CHWIN	ITRACE
	3.000	0.000	-1.000	0.000	3.000	0.000	0.000	0.000	0.000	0.000

3200 CROSS SECTION 168.00 EXTENDED 5.50 FEET

SPECIAL BRIDGE

SB	XK	XKGR	COFO	RLEN	BRC	BWP	PAREA	SS	ELCHU	ELCHD
	190	1.10	2.50	0.00	33.00	3.00	480.00	0.00	543.40	543.40

DORFOLK-SOUTHERN RR SECTION R-1

*** SECTION R-2 ***

*** SECTION R-3 ***

SPECIAL BRIDGE

SB	XK	XKGR	COFO	RLEN	BRC	BWP	PAREA	SS	ELCHU	ELCHD
	0.00	0.00	2.50	0.00	41.00	0.00	500.00	0.00	560.50	560.50

*** SECTION R-4 ***

*** SECTION R-5 ***

 INTERACTIVE HIC2 VERSION UPDATED FEB 1976
 ERROR CORRECTIONS 01,02,03,04,05,06,07,08,09
 MODIFICATIONS 50,51,52,53,54,55,56,57,58

T1 EPMS NR MADISON-MAYODAN FIS
 T2 500 YR NATURAL
 T3 REFR CREEK

J1	IGRECK	IND	NTRY	IDIR	STRT	METRIC	UVINS		WSEL	FG
	-10.	4.	-0.	-0.	-0.000000	-0.00	-0.0	-0.	567,100	-0.000
J2	APROF	IPLOT	PREVS	XSECH	XSECH	FN	ALLDC	IRW	CHNIM	ITRACE
	15.000	-0.000	-1.000	-0.000	-0.000	-0.000	-0.000	-0.000	-0.000	-0.000

3280 GROSS SECTION 198.00 EXTENDED 12.10 FEET

SPECIAL BRIDGE

SB	XK	YKOR	COFC	ADLEN	RWC	RWP	BAREA	SS	ELCHU	ELCHD
	.91	1.10	2.50	-0.00	33.00	3.00	480.00	-0.00	543.40	543.40

MADISON-SOUTHERN NR SECTION P-1

*** SECTION P-2 ***

*** SECTION P-3 ***

SPECIAL BRIDGE

SB	YK	YKOP	COFC	ADLEN	RWC	RWP	BAREA	SS	ELCHU	ELCHD
	0.80	1.10	2.50	-0.00	41.00	-0.00	500.00	-0.00	560.50	560.50

*** OS ALL SECTION P-4 ***

*** SECTION P-5 ***

FLOOD INSURABLE ZONE DATA FOR WEED CREEK

FLOOD HAZARD FACTOR FOR ENTIRE REACH USING SECTIONS

SECTION NUMBER	CUMULATIVE DISTANCE	ELEVATION DIFFERENCE BETWEEN BASE FLOOD AND		
		100'	20'	0.20'
166.000	0.	-7.7	-2.6	6.8
232.000	64.	-8.7	-3.4	12.1
1100.000	932.	-7.2	-2.7	10.6
2500.000	2332.	-8.9	-1.6	8.6
4000.000	3032.	-4.1	-1.2	5.6
5000.000	4032.	-4.3	-1.3	4.5
5300.000	5132.	-4.3	-1.3	4.4
5585.000	5427.	-4.5	-1.6	4.4
5615.000	5447.	-5.7	-1.2	3.4
5655.000	5487.	-5.1	-1.7	3.4
6100.000	5932.	-4.8	-1.2	4.3
7100.000	6932.	-1.9	-1.7	2.3
8400.000	8232.	-4.3	-1.1	2.1
WEIGHTED AVG FOR REACH		-4.6	-1.6	5.0

FHF FOR THE REACH = 645 WITH 61.3% OF THE REACH WITHIN 1.0 FEET ZONE FOR THE REACH = 4.9

CONTINUOUS FLOOD HAZARD FACTORS BY ELEVATION INCREMENTS

INC NO.	TOTAL LENGTH	AVG ELEVATION DATA			STD. AVG.	FHF	PERCENT WITHIN
		100'	20'	DIFF.			
1	126.	552.9	561.6	-8.7	-3.7	085	100.
2	252.	553.6	562.7	-9.1	-6.9	090	100.
3	378.	554.5	562.8	-8.3	-3.7	085	100.
4	504.	555.3	563.4	-8.1	-8.5	085	100.
5	630.	556.2	564.0	-7.8	-8.4	085	100.
6	756.	557.0	564.6	-7.6	-8.3	085	100.
7	882.	557.8	565.2	-7.4	-5.1	080	100.
8	1008.	558.5	565.8	-7.3	-8.0	080	100.
9	1134.	559.1	566.9	-6.8	-7.7	075	100.
10	1260.	559.6	566.2	-6.6	-7.7	075	100.
11	1386.	559.2	565.4	-6.2	-7.6	075	100.
12	1512.	559.7	565.6	-5.9	-7.2	075	100.
13	1638.	559.2	565.9	-6.7	-7.3	075	100.
14	1764.	561.3	567.1	-5.8	-7.2	070	100.
15	1890.	562.3	567.3	-5.0	-7.0	070	93.
16	2016.	562.3	567.6	-4.8	-6.9	070	50.
17	2142.	563.3	567.8	-4.5	-6.8	070	41.
18	2268.	563.3	568.0	-4.2	-6.0	065	44.
	2332.						
SEC.						168,000	
SEC.						232,000	
SEC.						1100,000	
SEC.						2500,000	

19	3394	564.4	568.0	-3.6	-6.3	065	37
20	3520	564.4	568.7	-4.3	-6.3	065	35
21	3646	565.1	569.8	-4.7	-6.2	066	33
22	3772	565.5	569.4	-3.9	-6.1	066	32
23	3898	566.1	569.4	-3.3	-6.0	066	30
24	4024	566.2	570.1	-3.9	-5.9	067	29
25	4150	566.5	570.5	-4.0	-5.9	067	28
26	4276	566.9	570.9	-4.0	-5.8	067	23
27	4402	567.3	571.3	-4.0	-5.7	068	26
28	4528	567.6	571.6	-4.0	-5.7	068	25
29	4654	568.1	572.0	-4.0	-5.6	068	24
30	4780	568.3	572.4	-4.1	-5.6	068	23
	4832						
31	3956	568.7	572.7	-4.1	-5.5	068	19
32	4032	569.0	573.0	-4.1	-5.5	068	22
33	4158	569.2	573.3	-4.1	-5.4	068	21
34	4284	569.5	573.6	-4.1	-5.4	068	21
35	4410	569.7	573.9	-4.2	-5.3	068	20
36	4536	570.0	574.2	-4.2	-5.3	068	19
37	4662	570.2	574.5	-4.3	-5.3	068	19
38	4788	570.5	574.7	-4.2	-5.3	068	18
	4832						
39	4914	570.8	575.0	-4.3	-5.2	069	21
40	5040	571.0	575.3	-4.3	-5.2	069	25
	5132						
41	5166	571.2	575.6	-4.3	-5.2	069	29
42	5292	571.4	575.8	-4.4	-5.2	069	31
	5417						
43	5418	571.4	576.1	-4.4	-5.2	069	37
	5447						
	5487						
44	5544	572.3	577.4	-5.1	-5.1	069	39
45	5670	572.4	577.4	-5.0	-5.1	069	40
46	5796	572.5	577.5	-5.0	-5.1	069	41
47	5922	572.6	577.5	-4.9	-5.1	069	45
	5982						
48	6048	572.9	577.6	-4.8	-5.1	069	46
49	6174	573.4	577.9	-4.5	-5.1	069	47
50	6300	574.1	578.2	-4.1	-5.1	069	48
51	6426	574.8	578.5	-3.7	-5.1	069	51
52	6552	575.5	578.8	-3.4	-5.0	069	54
53	6678	576.1	579.1	-3.0	-5.0	069	57
54	6804	576.8	579.4	-2.6	-5.0	069	61
55	6930	577.5	579.7	-2.2	-4.9	069	65
	6982						

SEC. 4000.000

SEC. 5000.000

SEC. 5300.000

SEC. 5585.000

SEC. 5615.000

SEC. 5655.000

SEC. 6150.000

SEC. 7150.000

=====

ELEVATION DIFFERENCE
BETWEEN BASE FLOOD AND
100 20 0.20

WEIGHTED AVG FOR REACH -4.9 -1.7 0.8

FHF FOR REACH 1 = 050 WITH 65.4 OF THE REACH WITHIN 1.0 FEET
ZONE FOR THE REACH = A30

=====

56	7056	578.1	580.2	-2.1	-2.1	020	100
57	7182	578.3	580.6	-2.2	-2.1	020	100
58	7308	579.1	581.3	-2.4	-2.2	020	100
59	7434	579.6	582.2	-2.7	-2.3	025	100
60	7560	580.0	582.9	-2.9	-2.4	025	100
61	7686	580.5	583.6	-3.1	-2.5	025	100
62	7812	581.1	584.4	-3.4	-2.7	025	100
63	7938	581.5	585.1	-3.6	-2.8	030	100
64	8064	581.9	585.8	-3.9	-2.9	030	100
65	8190	582.4	586.5	-4.1	-3.0	030	98
	8232						

SEC. 8400.000

ELEVATION DIFFERENCE
BETWEEN BASE FLOOD AND

	1.0'	2.0'	3.0'
WEIGHTED AVG FOR REACH	-3.3	-1.0	2.2

PHF FOR REACH 2 = 0.51 WITH 98.0% OF THE REACH WITHIN 1.0 FEET
ZONE FOR THE REACH = A 0

=====

