

Spreadsheet Tracks  
Year-by-Year Portfolio Value

		W/D for		Mix Stock/Bond				Investing	
	Start	Beg Bal of	Spending just	Start	Real Return	Return	End Year	Cost	End B4
	Year	Portfolio	prior to Jan 1	of Year	Rate in Yr.	\$	Bal B4 Invest Cost	0.18%	next W/D
			4.50%						
1	1969	1,000.0	45	955.0	-13.29%	(126.9)	828.1	1.5	826.6
2	1970	826.6	45	781.6	-0.38%	(2.9)	778.7	1.4	777.3
3	1971	777.3	45	732.3	10.43%	76.4	808.7	1.5	807.2
4	1972	807.2	45	762.2	13.14%	100.2	862.4	1.6	860.8
5	1973	860.8	45	815.8	-19.72%	(160.9)	655.0	1.2	653.8
6	1974	653.8	45	608.8	-30.34%	(184.7)	424.1	0.8	423.3
7	1975	423.3	45	378.3	24.30%	91.9	470.3	0.8	469.4
8	1976	469.4	45	424.4	17.21%	73.1	497.5	0.9	496.6
9	1977	496.6	45	451.6	-12.13%	(54.8)	396.8	0.7	396.1
10	1978	396.1	45	351.1	-3.32%	(11.6)	339.4	0.6	338.8
11	1979	338.8	45	293.8	2.05%	6.0	299.9	0.5	299.3
12	1980	299.3	45	254.3	13.03%	33.1	287.5	0.5	286.9
13	1981	286.9	45	241.9	-11.80%	(28.5)	213.4	0.4	213.0
14	1982	213.0	45	168.0	19.74%	33.2	201.2	0.4	200.8
15	1983	200.8	45	155.8	14.91%	23.2	179.0	0.3	178.7
16	1984	178.7	45	133.7	3.56%	4.8	138.5	0.2	138.2
17	1985	138.2	45	93.2	26.83%	25.0	118.2	0.2	118.0
18	1986	118.0	45	73.0	18.21%	13.3	86.3	0.2	86.2
19	1987	86.2	45	41.2	-0.33%	(0.1)	41.0	0.1	41.0
20	1988	NOT ENUF	45	#VALUE!	10.67%	#VALUE!	#VALUE!	#VALUE!	#VALUE!
21	1989	#VALUE!	45	#VALUE!	23.89%	#VALUE!	#VALUE!	#VALUE!	#VALUE!
22	1990	#VALUE!	45	#VALUE!	-7.37%	#VALUE!	#VALUE!	#VALUE!	#VALUE!
23	1991	#VALUE!	45	#VALUE!	24.96%	#VALUE!	#VALUE!	#VALUE!	#VALUE!
24	1992	#VALUE!	45	#VALUE!	4.65%	#VALUE!	#VALUE!	#VALUE!	#VALUE!
25	1993	#VALUE!	45	#VALUE!	8.32%	#VALUE!	#VALUE!	#VALUE!	#VALUE!
26	1994	#VALUE!	45	#VALUE!	-2.65%	#VALUE!	#VALUE!	#VALUE!	#VALUE!
27	1995	#VALUE!	45	#VALUE!	33.31%	#VALUE!	#VALUE!	#VALUE!	#VALUE!
28	1996	#VALUE!	45	#VALUE!	15.54%	#VALUE!	#VALUE!	#VALUE!	#VALUE!
29	1997	#VALUE!	45	#VALUE!	28.55%	#VALUE!	#VALUE!	#VALUE!	#VALUE!
30	1998	#VALUE!	45	#VALUE!	24.25%	#VALUE!	#VALUE!	#VALUE!	#VALUE!

**Criteria: 19 years of full W/D for spending.**

The column of real returns comes from data published by Ibbotson, SBBI Yearbook, 2014.  
The return data provided is for two classes of stocks, three of bonds, and one for short-term bills.  
I used Large Company Stocks and US Gov't Bonds for the calculations here.

\* Spreadsheet uses 4.50% for 19 years while FIRECalc (used for our plan) would show 4.40% spending rate for 19 years.