



Bonds

To Bond or Not to Bond?

Over the last few years, there has been a fair bit of concern in the market over the general impact of rising interest rates. “You shouldn’t be holding bonds because rates will rise soon” goes the logic. But what does this really mean for investors? If interest rates rise, what will ultimately be the impact on investors’ portfolios?

To understand this, we first need to understand how all the moving pieces fit together. At a high level, if interest rates increase, this generally has a negative impact on bond prices, and to get a sense for how large this impact could be, we can look to a bond’s duration¹ or interest rate sensitivity². Using the broad Bloomberg Barclays U.S. Aggregate Bond Index to approximate an investor’s diversified bond portfolio, we see that the index has a duration of about 5.3. This means that if interest rates at ALL maturities move higher by 1 percent, the PRICE of the bonds will fall by an average of 5.3 percent.

There are a couple of key distinctions in that statement. The first is that all interest rates need to move together, not just some. The Federal Reserve can move short-term rates, but they have little direct control over 30-year rates, which contribute more heavily to price changes in bonds. The second note is that the price of the bonds will decline for a change in interest rates, but investors also still receive coupon payments³ or yield⁴. Currently (as of 12/8/16), the yield on the index is about 1.9 percent, which can help to offset losses from bond price movements. Taking these two sources of return together, if all interest rates move higher by 1 percent over the next year, bond investors could see a total loss of 3.4 percent.

To put this into historical context, the largest total return loss on the Bloomberg Barclays U.S. Aggregate Bond Index, going back to 1976 was 2.92 percent and the index has only been a negative on a total return basis in three of those 40 years. ⁵

If a relatively significant move higher in interest rates can be expected to result in a loss (no matter how small) for fixed income investors, why take the risk of holding bonds? One way to think about fixed income is like insurance. On your car, you probably pay an insurance premium of about \$150 per month, or \$1,800 per year. If you are driving a \$20,000 car, that annual premium represents 9 percent of your car’s value every year for protection against a significant financial loss in the case of an accident. While nobody likes paying for insurance, it’s a necessary expense that people understand and fixed income in a portfolio might be the cheapest insurance you can buy.

“Bond insurance” can provide a very strong diversifier to stocks. Going back to 1976, the Bloomberg Barclays U.S. Aggregate Bond Index had a positive total return in EVERY year that stocks had a negative return (and stocks had a positive return every year that bonds had a negative return.) Highlighting a couple of examples when the “insurance” paid off, 2008 was a year when stocks (S&P 500) declined 37.0 percent, but bonds returned 5.2 percent and in 2002, stocks were down 22.1 percent and bonds were positive 10.3 percent.⁶



Over the last 40 years, stocks have outperformed bonds, so there is no denying that holding some exposure to fixed income over that time may have underperformed a pure stock portfolio, but the overall volatility of the portfolio would have been lower as well. A portfolio consisting of half S&P 500 and half Bloomberg Barclays U.S. Aggregate Bond Index could have experienced a 1.5 percent lower annual return with 40 percent lower volatility than a pure stock exposure.⁷ In other words, 1.5 percent annual “insurance premium” reduced your risk by over 40 percent - that’s a lot cheaper than car insurance.

For more information on bonds, visit [WEBSITE] or call [PHONE NUMBER].

¹A measure of the sensitivity of the price of a fixed-income investment to a change in interest rates. Duration is expressed as a number of years.

²Interest rate sensitivity is a measure of how much the price of a fixed-income asset will fluctuate as a result of changes in the interest rate environment. Securities that are more sensitive have greater price fluctuations than those with less sensitivity.

³The annual interest rate paid on a bond, expressed as a percentage of the face value.

⁴The income return on an investment, such as the interest or dividends received from holding a particular security. The yield is usually expressed as an annual percentage rate based on the investment’s cost, current market value or face value.

⁵Morningstar through 2015.

⁶Morningstar from 1976 through 2015 comparing the total return of both the Bloomberg Barclays U.S. Aggregate Bond Index and the S&P 500 Index

⁷The annualized return (the returns an investment provides over a period of time, expressed as a time-weighted annual percentage) on the S&P 500 TR index from 1976 through 2015 was 11.35% with a standard deviation (a measure of the dispersion of a set of data from its mean) of 16.4. The same metrics for the 50/50 portfolio of stocks and bonds are 9.85% annualized returns and a standard deviation of 9.6. The volatility value of 9.6 is over 40% lower than 16.4. The 50/50 portfolio simply blends the annual returns of the indexes in equal amounts each year. All data sourced from Morningstar.

The opinions referenced are as of the date of publication and are subject to change due to changes in the market or economic conditions and may not necessarily come to pass. Information contained herein is for informational purposes only and should not be considered investment advice.

Past performance does not guarantee future results.

Please note that all investments are subject to market and other risk factors, which could result in loss of principal. Fixed income securities carry interest rate risk. As interest rates rise, bond prices usually fall, and vice versa.

The Barclays U.S. Aggregate Bond Index is an index, with income reinvested, generally representative of intermediate-term government bonds, investment grade corporate debt securities, and mortgage-backed securities.

S&P 500 Index is an unmanaged group of securities considered to be representative of the stock market in general. You cannot directly invest in the index

[ADDRESS] | [PHONE NUMBER] | [WEBSITE]
[YOUR SECURITIES DISCLOSURE HERE] ACR# 4942560 09/22