AN IMPROVED MEASURE OF LARGE CAP IMPLIED VOLATILITY

The Nations® Large Cap VolDex® Implied Volatility Index (VOLI®) is an improved measure of large cap equity index implied volatility. VOLI measures implied volatility the way practitioners do, by focusing on at-the-money options. This methodology allows practitioners to fully understand the state of the options market by isolating regions of volatility skew.

More Logical Construction

VOLI is comprised of the first in-the-money and first out-of-the-money call and put options for the weekly expirations bracketing the moment precisely 30 days in the future. These option components are interpolated to generate a mathematically robust, closed-form measure of at-the-money, precisely 30 days to expiration, implied volatility.

VOLI Index—Average Daily Close Per Year

<table>
<thead>
<tr>
<th>Year</th>
<th>2005</th>
<th>2006</th>
<th>2007</th>
<th>2008</th>
<th>2009</th>
<th>2010</th>
<th>2011</th>
<th>2012</th>
</tr>
</thead>
<tbody>
<tr>
<td>Value</td>
<td>11.70</td>
<td>12.15</td>
<td>17.04</td>
<td>32.38</td>
<td>29.98</td>
<td>20.27</td>
<td>21.68</td>
<td>16.12</td>
</tr>
</tbody>
</table>

|------|------|------|------|------|------|------|------|------|------|

HISTORICAL COMPARATIVE RESULTS

VOLI Uses the Most Liquid Options In the World

The underlying security for VOLI is SPY, the S&P 500 exchange traded fund. SPY options are the most liquid S&P 500 product in the world and trade on more than a dozen different exchanges. Multiple trading venues means SPY options have bid/ask spreads which are often 80 percent narrower, in implied volatility terms, than the publically disseminated bid/ask spread for SPX options which comprise VIX® and which trade on a single exchange. The result is that VOLI® provides a clearer measure of expectations for future volatility.

The Nations Suite of Volatility Indexes

Nations Indexes isolates the impact of skew and makes it knowable through its suite of volatility indexes. TailDex® (ticker TDEX) measures the cost of deep out-of-the-money SPY puts while SkewDex® (ticker SDEX) defines the amount of put skew in the SPY option market.

Understand What Volatility Is Telling You

VOLI® uses at-the-money options, the most important options for market participants. Other measures of implied volatility, notably VIX®, incorporate a large and variable number of options, many of which rarely trade and many of which are substantially out-of-the-money, which reduces the value of the resulting measure and generates misleading statistical noise created by phenomena like the distance between strike prices, number of strike prices listed, and option skew.

It is impossible to know what is driving changes in a volatility index if the index uses all the options listed in an expiration. Is the index moving because of at-the-money options? Is it because of deep out-of-the-money puts? Is it because of calls? While it is impossible to know, each of these scenarios tell investors and hedgers very different things.

VOLI Construction

The Nations Large Cap VolDex Index (VOLI®) measures the implied volatility of a hypothetical precisely at-the-money SPY (SPDR S&P 500 ETF) option with precisely 30 days to expiration.

VOLI identifies the weekly SPY option expirations bracketing 30 days from the current minute then incorporates the first call and put option above and below the forward price in each of those expirations. Those at-the-money options are then interpolated into a single mathematically robust, closed-form measure of implied volatility.

Option practitioners focus their analysis on at-the-money volatility to understand the dynamics of any option market. VOLI provides the information and insight they need.

Nations VolDex Index Daily Results

Average Close: 17.19
Median Close: 14.41
High Close: 85.64
(November 20, 2008)
Low Close: 6.56
(October 5, 2017)
Correlation to S&P -0.73
Correlation to VIX: 0.96
STD of Daily Change: 8.37%
Beta (vs. VIX): 0.997
R-Squared (vs. VIX): 0.92

Performance of an index is not illustrative of any particular investment. Index returns quoted represent past performance, which is not a guarantee of future results.

“Nations” is a registered trademark of Bank of America Corporation. Nations Indexes are not sponsored, endorsed, sold or promoted by Bank of America and Bank of America makes no representation regarding the advisability of investing in any Nations products.

VolDex®, VOLI®, SkewDex®, TailDex®, SDEX®, TDEX®, and Better Ideas, Better Indexes® are registered trademarks of Nations Indexes. VIX® is a registered trademark of CBOE.