**Bid Price Search Basic
Power BI Dashboard**

How To

with Examples

June 18, 2025

Quick Start Guide

Bid Price Search Basic Dashboard *Link*

1. **Set the Letting Date Range to Define Your Timeline**

   - Start by adjusting the Letting Date Range slicer to focus on a relevant time period for your project. This ensures the data aligns with market conditions and project timelines similar to your estimate. The slicer will only show dates based on what is in the database.

2. **Narrow Data to Match Your Project's Scope**

   - Use filters to refine the dataset. For example:
     - Select a specific **Pay Item** or **Description** (e.g., "0334 1 55" for Superpave Asphalt Concrete) to focus on relevant materials.
     - Filter location by **District**, **Primary County**, or **Market Area** to reflect regional pricing trends.
     - Choose a **Work Type** or **Contract Type** that matches your project (e.g., Resurfacing, Construction Contract).
   - Tip: For statewide analysis, select "All" in regional filters or reset them using the eraser ("Clear Selections") button that appears when hovering over a filter.

3. **Make Multiple Selections**

   - Check multiple options within a filter to broaden your analysis. For example:
     - Select multiple Pay Items to compare pricing across related materials.
     - Choose multiple Counties or Contract Types to analyze trends across different regions or project types.

4. **Search Within Filters for Efficiency**

   - Use the search bar in filters to find specific entries (e.g., search for a Pay Item Description like "ASPH CONC FC" without knowing the exact Pay Item number).

5. **Focus on Winning Bids**

   - Set the **Bidder Award** filter to "W" to view only winning bids (default setting when resetting filters). This ensures you're analyzing awarded contracts, which are most relevant for estimating typical costs.
   - Alternatively, select "All" to include all bids and calculate an average across the dataset, which can provide a broader market perspective.
   - "L" indicates a losing bid
   - "I" indicates an irregular bid

6. **Analyze Price Trends and Outliers**

   - The table at the bottom provides key metrics:

- *Weighted Avg Price:* The average price per unit across filtered data.
- *Weighted Avg Price (No Outliers):* The average price of the filtered data after removing outliers, giving a more typical cost estimate. This would be used when analyzing all bid data, not winning bids only.
- *Weighted Avg Price by Market Area:* The average price per unit in each market area across filtered data. When filtering location slicers by ALL (statewide), the entire dataset by market area is listed in the table.
- *Weighted Avg Price by Market Area (No Outliers):* The average price of the filtered data by market area after removing outliers, giving a more typical cost estimate. This would be used when analyzing all bid data, not winning bids only.
- *Outlier by Market Area Column:* Identifies whether a bid is an outlier by market area (Yes/No) using a weighted standard deviation formula. Outliers are excluded from the "No Outliers" average to help you focus on standard pricing.

- *Average Quantity:* Reflects the average quantity of the filtered selection.

7. **Export Data for Further Analysis**

- To export table data:

  - Hover over the table at the bottom.
  - Click the ellipsis ("...") in the top-right corner to open "More Options."
  - Select "Export Data" and click to download the data as a file.

8. **GIS Mapping**

- Map

  - The map on the top right provides a quick visual of project locations for the filtered data.
  - Singular projects can be selected by clicking on a blue pin in the map.
  - Multiple projects can be selected on the map by using the selection tool Active Layer Coordinates.
- Table

  - The limits of a project (if mapped by work program) are available by clicking on the Lead Project number in the table. Projects not mapped will show the entire state of Florida in the pop-up window.

9. **Reset Filters as Needed**

- To clear all filters and start fresh, click the Reset Filters button at the top-left.
- To clear a specific filter, hover over it and click the eraser ("Clear Selections") button.

Examples

Examples selected below include navigation of the dashboard and tips on how to visualize and interpret the data.

Example Notes:

- Examples show how data can change based on filter selections.
- Users must decide if sufficient data exists to accurately represent potential bid data.
- Previous Pay Item Range Historical Average reports analyze winning bids only. The Power BI dashboard allows filtering by Bidder Status for visualization of all bids.
- Letting Date Range only allows the latest date based on database entries.

[**Bid Price Search Basic Dashboard *Link***](#)

<u>Example 1</u>: Statewide and Market Area Weighted Averages

- Your resurfacing project requires 8,000 Tons of Asphalt Structural Course.
- The design team selected pay item 0334 1 53 (Superpave Asph Conc, Traf C, PG76-22).
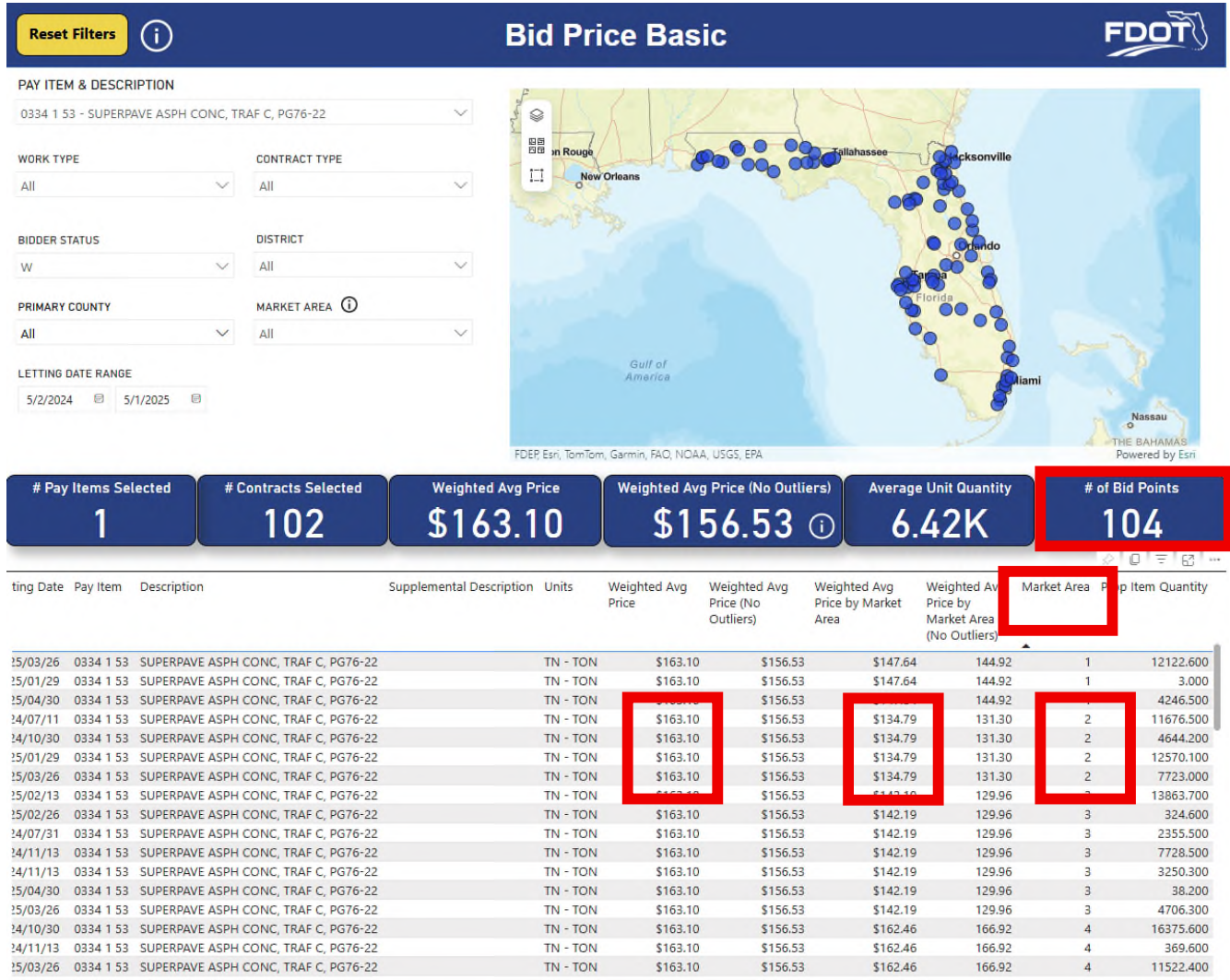- The project is in Market Area 2.

Start by filtering for Statewide Winning Bid Data

Filter Pay Item & Description: **0334 1 53 - Superpave Asph Conc, Traf C, PG76-22**

Filter Letting Date Range: **5/2/2024 to 5/1/2025**

Filter Bidder Status: **W (Winning Bids Only)**

- **Scroll the table to be able to see columns Weighted Avg Price – Market Area**
- **Click the top of Market Area column to sort the column by Market Area**
- **Scroll down to find the desired Market Area**

ting Date	Pay Item	Description	Supplemental Description	Units	Weighted Avg Price	Weighted Avg Price (No Outliers)	Weighted Avg Price by Market Area	Weighted Avg Price by Market Area (No Outliers)	Market Area	p Item Quantity
25/03/26	0334 1 53	SUPERPAVE ASPH CONC, TRAF C, PG76-22		TN - TON	$163.10	$156.53	$147.64	144.92	1	12122.600
25/01/29	0334 1 53	SUPERPAVE ASPH CONC, TRAF C, PG76-22		TN - TON	$163.10	$156.53	$147.64	144.92	1	3.000
25/04/30	0334 1 53	SUPERPAVE ASPH CONC, TRAF C, PG76-22		TN - TON		$156.53		144.92		4246.500
24/07/11	0334 1 53	SUPERPAVE ASPH CONC, TRAF C, PG76-22		TN - TON	$163.10	$156.53	$134.79	131.30	2	11676.500
24/10/30	0334 1 53	SUPERPAVE ASPH CONC, TRAF C, PG76-22		TN - TON	$163.10	$156.53	$134.79	131.30	2	4644.200
25/01/29	0334 1 53	SUPERPAVE ASPH CONC, TRAF C, PG76-22		TN - TON	$163.10	$156.53	$134.79	131.30	2	12570.100
25/03/26	0334 1 53	SUPERPAVE ASPH CONC, TRAF C, PG76-22		TN - TON	$163.10	$156.53	$134.79	131.30	2	7723.000
25/02/13	0334 1 53	SUPERPAVE ASPH CONC, TRAF C, PG76-22		TN - TON	$163.10	$156.53	$142.19	129.96	3	13863.700
25/02/26	0334 1 53	SUPERPAVE ASPH CONC, TRAF C, PG76-22		TN - TON	$163.10	$156.53	$142.19	129.96	3	324.600
24/07/31	0334 1 53	SUPERPAVE ASPH CONC, TRAF C, PG76-22		TN - TON	$163.10	$156.53	$142.19	129.96	3	2355.500
24/11/13	0334 1 53	SUPERPAVE ASPH CONC, TRAF C, PG76-22		TN - TON	$163.10	$156.53	$142.19	129.96	3	7728.500
24/11/13	0334 1 53	SUPERPAVE ASPH CONC, TRAF C, PG76-22		TN - TON	$163.10	$156.53	$142.19	129.96	3	3250.300
25/04/30	0334 1 53	SUPERPAVE ASPH CONC, TRAF C, PG76-22		TN - TON	$163.10	$156.53	$142.19	129.96	3	38.200
25/03/26	0334 1 53	SUPERPAVE ASPH CONC, TRAF C, PG76-22		TN - TON	$163.10	$156.53	$142.19	129.96	3	4706.300
24/10/30	0334 1 53	SUPERPAVE ASPH CONC, TRAF C, PG76-22		TN - TON	$163.10	$156.53	$162.46	166.92	4	16375.600
24/11/13	0334 1 53	SUPERPAVE ASPH CONC, TRAF C, PG76-22		TN - TON	$163.10	$156.53	$162.46	166.92	4	369.600
25/03/26	0334 1 53	SUPERPAVE ASPH CONC, TRAF C, PG76-22		TN - TON	$163.10	$156.53	$162.46	166.92	4	11522.400

RESULTS:

- **$163.10 Filtered Weighted Average – Statewide**
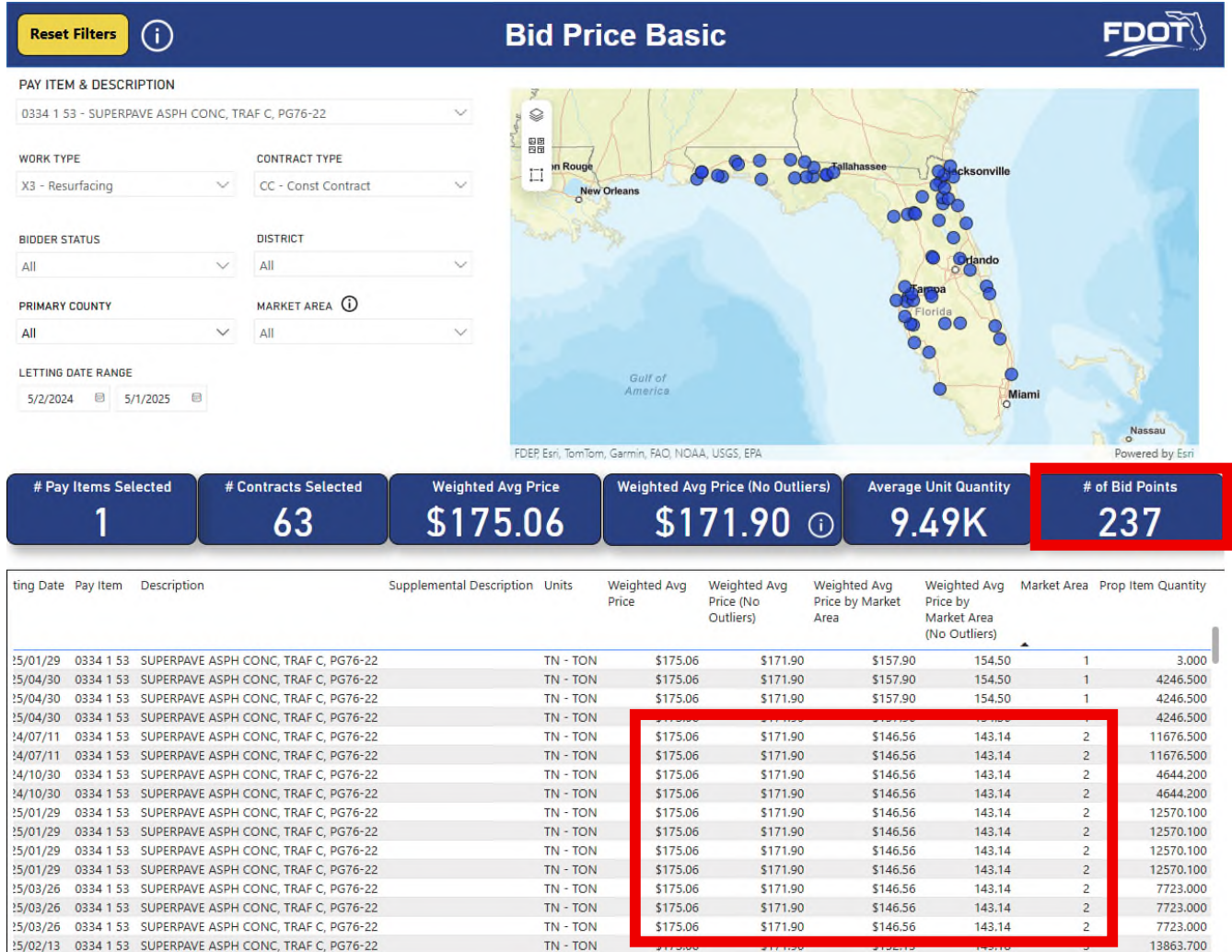- **$134.79 Market Area 2 Weighted Average**

Note:

- **Don't use (No Outliers) columns for Winning Bid Status data.**
- **Reduced confidence in Market Area 2 results with only four bid points.**

Check all bid data and narrow results by Work and Contract Type

Filter Work Type: **X3 – Resurfacing**

Filter Contract Type: **CC – Const Contract**

Filter Bidder Status: **Click Eraser (Reset Individual Filter)**

RESULTS:

- **$175.06 Filtered Weighted Average – Statewide**
- **$171.90 Filtered Weighted Average (No Outliers) – Statewide**
- **$146.56 Market Area 2 Weighted Average**
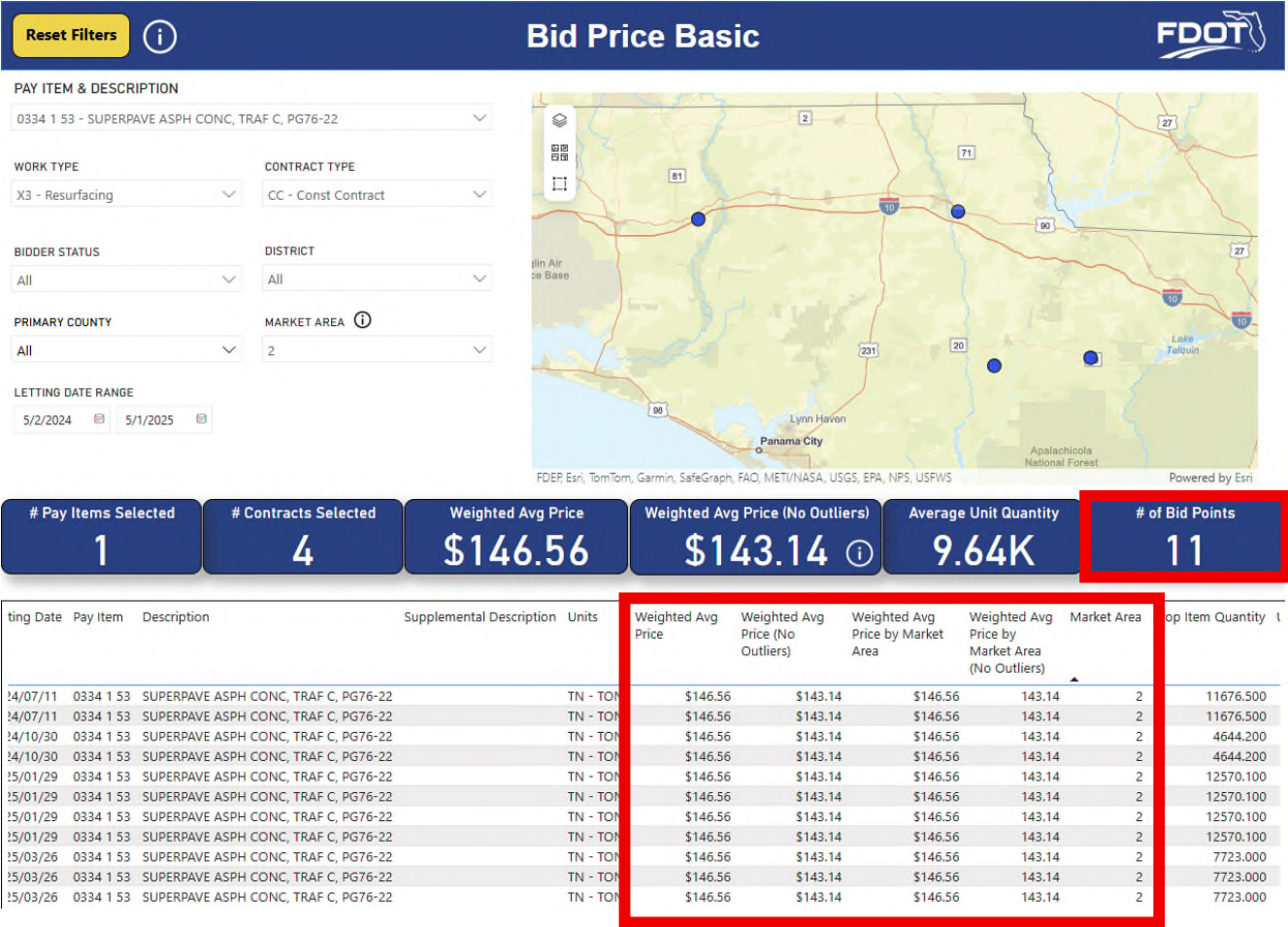- **$143.14 Market Area 2 Weighted Average (No Outliers)**

Note:

- **Consider using (No Outliers) columns when filtering All Bid Status data.**
- **Reduced confidence in Market Area 2 results with only 11 bid points.**

Visualize Data by Market Area

Filter Market Area: **2**

RESULTS:
- **$146.56 Filtered Weighted Average – Market Area 2**
- **$143.14 Filtered Weighted Average (No Outliers) – Market Area 2**
- **$146.56 Market Area 2 Weighted Average**
- **$143.14 Market Area 2 Weighted Average (No Outliers)**

Note:
- **Columns will return matching results as one is by filtered data and the other by Market Area. When the two datasets match, they will return a matching result.**

Find Specific Geographical Project Data

- **Hover over a point for additional pop-up data**
- **Click a point to reduce table data to one specific project**
- **Click the lead FPID for a Work Program GIS Map (if the project isn't mapped, the pop-up window will show the entire state of Florida on the map)**