



# Quick Help – BTP



## Bid Tabs Pro

Bid Tabs Pro (BTP) is a unique software application that allows an estimator to sort and manipulate bid tabs data, and to generate reports on Bid Items or Bidding Data important to the estimator.

Many parameters may be combined and set with the click of a mouse, allowing historical data to be sifted and sorted in various ways. Additionally, numerous reports may be generated and viewed, printed, or exported to Excel spreadsheets.

### DATA ANALYSIS TOOLS

**A variety of detailed and summary reporting is available**



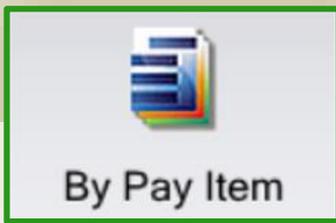
#### Detailed Analysis Reporting

<b>By Contractor</b>	Detailed history of bidding and item cost trends for all contractors who have bid on WSDOT projects
<b>By Job</b>	Detailed bid information for all WSDOT Projects. Includes Bids submitted by every contractor and the Engineers Estimate.
<b>By Pay Item</b>	Averages prices for any pay item based on the criteria set by the Estimator. This is also used to generate an Averages report for all bid items Statewide or by individual Region.
<b>Pay Item (PI) Search</b>	Finds bid history information for Non-Standard Bid Items by Key word search



#### Summary Reporting

<b>Letting Report</b>	Generates a Bid Tabulation report for any Bid Opening date, i.e Low Bid Vs. Engineer's estimate
<b>Cont Analysis</b>	Bidding activity of a contractor. Types of Projects and Regions that the Contractor has bid on for any selected date range
<b>Comp Analysis</b>	Compare Contractor's bidding activities and their results against other Contractors and WSDOTs Engineer's Estimate. Used to analyze most likely Low bidder.
<b>Market Analysis</b>	Overview report on various Contractors Market Share of WSDOT project bid on and their ranking of that Market Share as compared to other Contractors



**By Pay Item** is a tool that allows the Estimator to quickly look up and perform analysis on the unit bid history pricing of Standard Pay Items used by WSDOT.

## USING THE BY PAY ITEM ANALYSIS TOOL

Setup analysis criteria using the Report Options.

The screenshot shows the 'REPORT OPTIONS' form with the following fields and buttons:

- 1** Report Type: Listing Report
- 2** Item Number: 5767
- 3** Select Items to Include: Low 3
- 4** -- All Project Types --
- 5** -- All Categories --
- 6** -- All Pay Item Groups --
- 7** Select Location: Region 1
- 8** Generate Report button
- 9** Select Items button
- 10** Graph and Export buttons

There are many reporting options, the most commonly used are:

- Listing Report
- Averages Report

### To create a Listing report:

1. **Select a Report Type** → Listing Report
  2. **Select/enter a standard item number**
  3. **Select Items to include** → # of bidders
  4. **[Advanced Feature]**
  5. **Select Location** → Choose a Region
  6. **Select a Time Frame:**
    - Predefined → Select from the list for time span
    - Specify Dates → Enter a Start and End Date
    - Specific Years → Enter a Start and End Year.
  7. **Project Size / Quantity Range** → [ no input req. if you want all data ]  
However, You may specify both the Project size (in dollars) and/or the Quantity Range. But, restricting data too tightly will limit results.
- Prior to printing or exporting you may either:
8. • **Generate Report**
  9. • **Select Items**
  10. • **Graph** (creates a graph of the results) or **Export** → Exports results to Excel

### To create a Averages report:

The Averages Report generates the average price of a bid item based on the criteria selected.

Follow steps 1 – 7 as in the Listing Report.

8. **Generate Report** → Creates a printable report
9. **NOT AVAILABLE FOR AVERAGES REPORT**
10. **Export** → Exports results to Excel (Graph not available for Averages)

### Using the “Select Items” button for the Listing Report to refine your search results

Once you have entered your search criteria, you can further refine the data set by using the “**Select Items**” button

This feature allows you to sort by any of the headings, print the entire dataset as displayed and to eliminate records that you would like to remove from the query.

### Averages Report Option → Use NHCCI to Adjust Prices

Is a price index intended to measure the average changes in the prices of highway construction costs nationally over time and to convert current-dollar highway construction expenditures to real dollar expenditures.

## Using the "Select Items" button to refine your search results

The "Select Items" button creates a table based on the criteria set in the Report Options area. for the dataset below (figure 1) the criteria set was:

- Bid Item 5767 HMA CL ½"
- Items to Include → Low 3 (bidders)
- Region 3 (Olympic Region)
- Time Frame – Specific Year → 2017

This displays the 3 low bids for HMA CL. ½ and the projects the bid item was used in during 2017.

The top grey bar, shows the "Selected Average" price. (This is the weighted average). However, this price is averaging the cost for all projects without consideration of quantity or "outlier" bids.

### Refining the Data set

**Example:** Your project is placing 6,000 Tons of HMA.

**Step 1** – Click the "Quantity" heading to sort the table by the quantity used in each project.

**Step 2** – Click and Select those rows that show too low or too high of quantities to accurately reflect pricing for the quantity you are using in your project.

**Step 3** – Hit the "Delete" key to remove those records from the data set

In this case, delete all those projects that are less than **2,960** and greater than **8,460**. This will leave only those records that have quantities within the range that will more accurately reflect those of your project.

**Step 4** – Look for "Outliers". Select those lines and **Delete**

Pay Item:  HMA CL. 1/2 IN. PG 70-28 TON

Original Count:  Original Average:  Original Average Quantity:

Selected Count:  Selected Average:  Selected Average Quantity:   Show Excluded Items on Report

Straight Average:

Search:

Quantity	Unit	Unit Price	Extension	Bid Date	Bidder Name	ProjectID	Job Size	Job Desc	County	Pos
180.000	TON	245.00	44,100.00	4/4/2017 10...	NORLAND CONSTRUCTION	009055	396,396.00	SR 20 N OF EAGLEMOUNT HALF ...	JEFFERSON	3
320.000	TON	225.00	72,000.00	4/25/2017 10...	GRANITE CONSTRUCTION CO	009076	889,802.00	SR 105 W OF CONSTANTINE WA...	GRAYS HARBOR	1
320.000	TON	250.00	80,000.00	4/25/2017 10...	DOOLITTLE CONSTRUCTION CO., I...	009076	889,802.00	SR 105 W OF CONSTANTINE WA...	GRAYS HARBOR	2
590.000	TON	180.00	106,200.00	10/24/2017 1...	TITAN EARTHWORK LLC	009155	2,947,841.00	US 12 / US 101 / SR 109 ABERDE...	GRAYS HARBOR	2
590.000	TON	210.00	123,900.00	10/24/2017 1...	NORTHEAST ELECTRIC, LLC	009155	2,947,841.00	US 12 / US 101 / SR 109 ABERDE...	GRAYS HARBOR	1
917.000	TON	142.00	130,214.00	2/14/2017 10...	INTERWEST CONSTRUCTION, INC.	009020	1,436,932.00	US 101 MATRIOTTI CREEK REMO...	CLALLAM	1
917.000	TON	145.00	132,965.00	2/14/2017 10...	THOMPSON BROS. EXCAVATING, I...	009020	1,436,932.00	US 101 MATRIOTTI CREEK REMO...	CLALLAM	2
917.000	TON	155.00	142,135.00	2/14/2017 10...	NORLAND CONSTRUCTION	009020	1,436,932.00	US 101 MATRIOTTI CREEK REMO...	CLALLAM	3
2,960.000	TON	91.00			CONSTRUCTION CO	009089	1,593,152.00	SR 3 SR 304 I/C INTERCHANGE ...	KITSAP	1
2,960.000	TON	118.00			INDUSTRIES	009089	1,593,152.00	SR 3 SR 304 I/C INTERCHANGE ...	KITSAP	2
4,240.000	TON	84.50			MENT CORPORATION	009056	1,433,933.50	SR 162 SR 410 TO S OF 96TH ST ...	PIERCE	2
4,240.000	TON	86.00	364,640.00	4/11/2017 10...	TUCCI & SONS, INC.	009056	1,433,933.50	SR 162 SR 410 TO S OF 96TH ST ...	PIERCE	1
4,240.000	TON	89.00	377,360.00	4/11/2017 10...	MILES RESOURCES, LLC DBA	009056	1,433,933.50	SR 162 SR 410 TO S OF 96TH ST ...	PIERCE	3
5,822.000	TON	59.14	344,313.08	1/4/2017 10...						1
5,822.000	TON	62.05	361,255.04	1/4/2017 10...						2
5,822.000	TON	70.00	407,540.00	1/4/2017 10...						3
8,460.000	TON	69.00	583,740.00	11/7/2017 10...						2
8,460.000	TON	75.00	634,500.00	11/7/2017 10...						1
8,460.000	TON	89.50	757,170.00	11/7/2017 10...						3
15,130.000	TON	80.00	1,210,400.00	4/18/2017 10...						2
15,130.000	TON	87.20	1,319,336.00	4/18/2017 10...						1

← ← ← OUTLIER

Original Count:  Original Average:  Original Average Quantity:

Selected Count:  Selected Average:  Selected Average Quantity:

Straight Average:

Quantity	Unit	Unit Price	Extension	Bid Date	Bidder Name	ProjectID
2,960.000	TON	91.00	269,360.00	5/23/2017 10...	GRANITE CONSTRUCTION CO	009089
4,240.000	TON	84.50	358,280.00	4/11/2017 10...	CPM DEVELOPMENT CORPORATION	009056
4,240.000	TON	86.00	364,640.00	4/11/2017 10...	TUCCI & SONS, INC.	009056
4,240.000	TON	89.00	377,360.00	4/11/2017 10...	MILES RESOURCES, LLC DBA	009056
5,822.000	TON	59.14	344,313.08	1/4/2017 10...	MILES RESOURCES, LLC DBA	009000
5,822.000	TON	62.05	361,255.04	1/4/2017 10...	TUCCI & SONS, INC.	009000
5,822.000	TON	70.00	407,540.00	1/4/2017 10...	CPM DEVELOPMENT CORPORATION	009000
8,460.000	TON	69.00	583,740.00	11/7/2017 10...	TUCCI & SONS, INC.	009165
8,460.000	TON	75.00	634,500.00	11/7/2017 10...	MILES RESOURCES, LLC DBA	009165
8,460.000	TON	89.50	757,170.00	11/7/2017 10...	LAKESIDE INDUSTRIES	009165

figure 1

Notice how the "Selected Average Quantity" is more inline with 6,000 Tons and the "Selected Average" has significantly changed,

# Visually Depicting Your Data

Bid Tabs Pro provides features to graph your data to provide a visual depiction of the results.

## EXAMPLE: How do we Compare against the Contractors bids ?

Engineer's Estimate



By Job

Select any job to compare contractor's bid prices against each other or to the engineer's estimate

Select Job: 008294

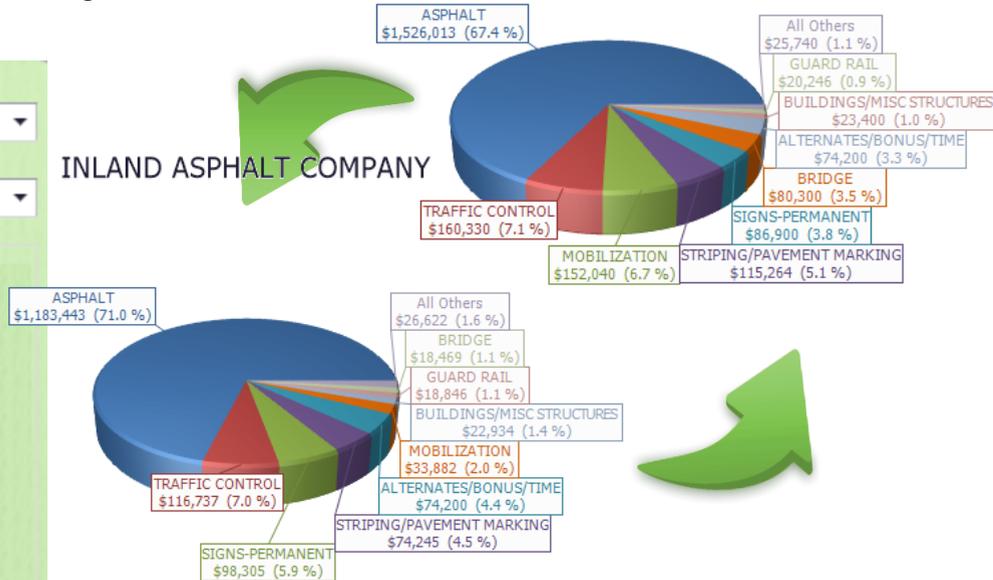
Report Type:

Sort By Contractor

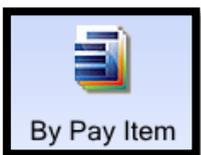
Select Prices to Include on Report

- All Contractors --
- (1) INLAND ASPHALT COMPANY
- (2) CENTRAL WASHINGTON ASPHALT, INC.
- (3) SPOKANE ROCK PRODUCTS INC.
- (4) COLUMBIA ASPHALT & GRAVEL, INC.
- (5) POE ASPHALT PAVING, INC.
- Engineer's Estimate
- Compare to State Average
- Compare to Averages of Other Bidders

INLAND ASPHALT COMPANY



## EXAMPLE: During 2017, in Olympic Region, What was the unit price of HMA compared to the Quantity used ?



By Pay Item

Report Type: Monthly Trend Report

5767

Select Items to Include: Only Low

-- All Project Types --

-- All Categories --

-- All Pay Item Groups --

Select Location:  Region  County  Population Area

Region 3

5767  
HMA CL. 1/2 IN. PG 70-28  
Monthly Trend Report

