Bid Items Dashboards

A TxDOTCONNECT Job Aid

Roles Impacted

TxDOT.gov Users

Last Revised

January 9, 2025

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Introduction

The purpose of this job aid is to support TxDOT employees and business partners who visit TxDOT.gov for information about bid items. Certain reports on TxDOT.gov have been replaced by interactive Tableau dashboards.

These dashboards contain the same information as the old webpages, with a few notable improvements including:

- Significantly reduced number of reports, pages, and links
- Information is uploaded automatically
- Data is updated hourly
- Users may customize their view to see exactly what they need

Topics

This job aid contains the following topics.

- **Introduction**
- **Common Features**
- **Official/Unofficial Bid Items Dashboard**
- **Bid Averages Dashboard**

Common Features

Each dashboard has several features in common, including:

- **Sort and Filter Data**
- **Top Toolbar**
- **Download Data**

Each dashboard contains data arranged in tables or in color-coded chart. Users can sort and filter this data by clicking the data table or chart directly or by using the filter feature.

Feature	Description
Sort	Click a column header to sort the data table in order of descending or ascending order.

CCSJ List

Proposal Status	Project Approved Let Date	District / Division (..	Let Type	Controlling Project Id	Contract Bid Due Date	
Official	January 6, 2025	El Paso	Sorted descending by District / Division (CCSJ) within District / Division (CCSJ)		25 1:30:00 PM	Details
	January 7, 2025	Yoakum	Statewide Let	0913-20-099	1/7/2025 1:00:00 PM	Details
		Wichita Falls	Statewide Let	0283-03-024	1/7/2025 1:00:00 PM	Details
		Waco	Statewide Let	0418-01-035	1/7/2025 1:00:00 PM	Details
				2057-01-014	1/7/2025 1:00:00 PM	Details

Filter	To filter a table to a specific data category, use the filters on the left side of the page. Data may be filtered by Project Actual Let Date, by District, or by CCSJ.

Filters

Proposal Status
- ⦿ Official
- ◯ Unofficial

District / Division
(All) ▾

County
(All) ▾

Project Type
(All) ▾
- ☑ (All)
- ☑ Construction
- ☑ Maintenance

Project Classification
(All) ▾

Controlling Project ID
(All) ▾

CCSJ List

Proposal Status	Project Approved Let Date	District / Division (..	Let Type	Controlling Project Id	Contract Bid Due Date	
Official	January 6, 2025	El Paso	Local District Let	6469-32-001	1/6/2025 1:30:00 PM	Details
	January 7, 2025	Yoakum	Statewide Let	0913-20-099	1/7/2025 1:00:00 PM	Details
		Wichita Falls	Statewide Let	0283-03-024	1/7/2025 1:00:00 PM	Details
		Waco	Statewide Let	0418-01-035	1/7/2025 1:00:00 PM	Details
				2057-01-014	1/7/2025 1:00:00 PM	Details
				6473-32-001	1/7/2025 1:00:00 PM	Details
				6473-33-001	1/7/2025 1:00:00 PM	Details
				6473-34-001	1/7/2025 1:00:00 PM	Details
		Tyler	Statewide Let	0245-04-023	1/7/2025 1:00:00 PM	Details
		San Antonio	Statewide Let	6477-31-001	1/7/2025 1:00:00 PM	Details
		San Angelo	Statewide Let	0069-04-047	1/7/2025 1:00:00 PM	Details
		Pharr	Statewide Let	0255-07-140	1/7/2025 1:00:00 PM	Details
				0921-26-114	1/7/2025 1:00:00 PM	Details
				6443-72-001	1/7/2025 1:00:00 PM	Details
				6470-80-001	1/7/2025 1:00:00 PM	Details
		Paris	Statewide Let	0010-02-107	1/7/2025 1:00:00 PM	Details
				0047-01-075	1/7/2025 1:00:00 PM	Details
				0735-05-023	1/7/2025 1:00:00 PM	Details
				0901-19-209	1/7/2025 1:00:00 PM	Details
				6476-19-001	1/7/2025 1:00:00 PM	Details

1. Remove the check next to **All**.
2. Select one or more values.

The table updates automatically to reflect your selections.

✓ Click 🗑 to remove all selections from a filter.

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Top Toolbar

The top of each dashboard contains a toolbar with the features described below.

Button	Description
	Undo my last action. This allows you to undo the most recent sorting or filtering of the dashboard.
	Redo my last action. This allows you to redo any actions that you have undone.
	Reset view. This allows you to remove any sorting or filters that have been applied and reset the dashboard to its original view.
	Refresh data in this view. This allows you to make sure the dashboard is displaying the latest available data. This is only visible when **not** in Full Screen mode.
	Pause data queries while applying actions. This allows you to pause changes to the dashboard while you apply filters. This prevents refreshes to the data.
	Complete updates made while paused. This allows you to resume changes and refreshes to the dashboard and its data. This only appears
	Choose a format to download. This allows you to download the dashboard in its current view, incorporating filters and sorting. Select between image, data, crosstab, PDF, or PowerPoint.
	See this in full screen. This allows you to maximize the view of the dashboard, temporarily hiding browser features, operating system features, etc.
	Share with others or embed this view in a webpage. This allows you to generate a URL for the current dashboard to share with others.

Download Data

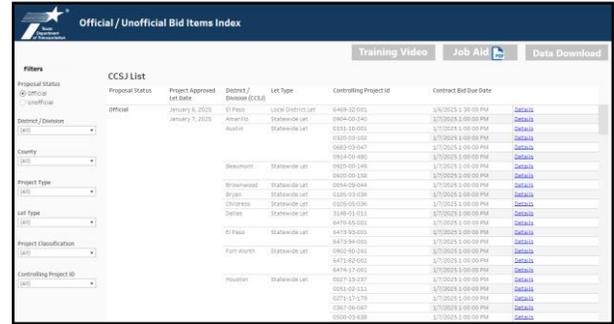To download the dashboard's data, use the download feature in the top toolbar.

Feature	Description	
	Choose this feature to download charts or data in various formats. 1. Click the download button in the bottom toolbar. 2. Select Image, Data, Crosstab, PDF, or PowerPoint.	
	Image	Select a save location for a .PNG file.
	Data	Opens a **View Data** window in your internet browser.
	Crosstab	Opens the **Download Crosstab** window, described above.
	PDF	Opens the **Download PDF** window. 1. Select which parts of the data to **Include**. 2. Select the **Scaling**. 3. Select **Page Size**. 4. Select **Orientation**. 5. Click **Download**.
	PowerPoint	1. Select which parts of the data to **Include**. 2. Click **Download**.

Official/Unofficial Bid Items

This dashboard provides a view of all bid items included in each project, for both the past (official) and future (unofficial). Additional detail is displayed by selecting a project from the CCSJ List.

Filter by **Proposal Status** (Official or Unofficial), **District/Division**, **Project Type**, **Let Type**, **Project Classification**, and **Controlling Project ID (CCSJ)**.

The **CCSJ List** and its information are described below.

Column	Description
Proposal Status	Official or Unofficial. A proposal becomes official once it is published, usually about 21-30 days before letting. Before this, it is unofficial.
Project Approved Let Date	The date the project has been approved to let by Letting Management.
District/Division	The district where the project is located or the division that owns the project.
Let Type	Whether the project's letting is managed by the local district or statewide at the central office.
Controlling Project ID (CCSJ)	The control section job number of the controlling project.
Contract Bid Due Date	The date and time when bids for the project are due.
Details	Click here to display details about the project in that row.

The **Detail** table displays when a project is selected in the **CCSJ List**. This table displays details about every bid item included in the proposal.

Controlling Project Id	Alternative Bid Item	Bid item sequence	Bid Item	Specification Description	Bid Item Description	Measurement Unit Description	Bid Item Quantity
6469-32-001		1	8010-7214	FLEXIBLE BASE (MATERIALS ONLY)	FL BS(TY D GR 4)(DEL)(ST4)	TON	100.0
		2	8010-7213	FLEXIBLE BASE (MATERIALS ONLY)	FL BS(TY D GR 4)(DEL)(ST3)	TON	100.0
		3	8010-7212	FLEXIBLE BASE (MATERIALS ONLY)	FL BS(TY D GR 4)(DEL)(ST2)	TON	500.0
		4	8010-7211	FLEXIBLE BASE (MATERIALS ONLY)	FL BS(TY D GR 4)(DEL)(ST1)	TON	600.0

Column	Description
Controlling Project Id (CCSJ)	The control section job number of the controlling project.
Alternative Bid item	The proposal includes work that may be added to the base bid work.
Bid Item Sequence	The sequence in which the bid item appears in the proposal.
Bid item	The bid item used for the bid item.
Specification Description	The name and description of the specification.
Bid Item Description	The name and description of the bid item.
Measurement Unit Description	The unit of measurement used to quantify the bid item.
Quantity	The quantity of the bid item as defined in TxDOT's Engineer's Estimate.

Bid Averages

This dashboard displays the average unit price for each bid item. There is also an option to display a line chart of monthly history, by clicking [Show Chart].

Filter by **Standard Specification Code**, **Bid item**, **Actual Let Date Range**, **Bidder Rank**, **District**, **County**, **Project Classification**, and **Vendors**. Some of these filters are unique and described below.

Filter	Description
Standard Specification Code	Filter by the three-digit specification prefix.
Bid item	Filter by the full seven- or eight-digit bid item.
Actual Let Date Range	Choose how much data to include in the average calculation. ▪ Select from Years, Quarters, Months, Weeks, Days, Hours, or Minutes. ▪ Select from Previous, Current, or Next iteration. ▪ Select the number of previous or next iterations, or to date.
Bidder Rank	Select whether to include data from all bidders or only the low bidder.
District	Filter by the district where the bid item was used.
County	Filter by the county where the bid item was used.
Project Classification	Filter by the project classification where the bid item was used.
Vendors (Select to Exclude)	Select which vendors to **exclude** from the data.
Use Qty Filter	This filter appears above the table. Indicate whether to use Quantity as a filter. When selected, the Enter Max Qty filter appears.

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Enter Min Qty	Indicate the minimum quantity for which bid items should be included in the data.
Enter Max Qty	Indicate the maximum quantity for which bid items should be included in the data. High-quantity bid items are often discounted, which may impact the resulting average.

The **Bid Item Cost History table** and its information are described below.

BID ITEM	BID ITEM DESCRIPTION	UNIT OF MEASURE	Min. Bid Item Qty	Max. Bid Item Qty	Avg. Unit Price	Min. Unit Price	Max. Unit Price	Std. dev. of Unit Price	Median Unit Price
100-6001	PREPARING ROW	AC	0.1	83.0	$39,710.97	$0.01	$288,000.00	$71,026.88	$15,000.0

Column	Description
Bid item	The bid item used for the bid item.
Bid Item Description	The name and description of the bid item.
Unit of Measure	The unit of measurement used to quantify the bid item.
Min Bid Item Qty	The minimum quantity used for this bid item within the current data set.
Max Bid item Qty	The maximum quantity used for this bid item within the current data set.
Avg Unit Price	The average price per unit for the bid item within the current data set.
Min Unit Price	The minimum unit price used for this bid item within the current data set.
Max Unit Price	The maximum unit price used for this bid item within the current data set.
Std Dev of Unit Price	The standard deviation of price for the bid item within the current data set. The standard deviation represents the amount by which a typical sample might deviate from the average. The higher this number is, the more variability among the data set and the less reliable the average.
Median Unit Price	The median price for the bid item within the current data set. The median price represents the price of the bid item in the middle of the data (greater than the lowest half, less than the highest half). The median may better represent the typical price, especially when the standard deviation is high in relation to the average.

The **Monthly History** chart displays when Show Chart is selected in the upper right corner. It shows how the median bid item price for each bid item changes from month to month, based on project actual let date.