

## Estimate Example Using Bid Tab Plus (The 3 Steps)

For the purpose of this training, contract **IB-30854** is used as an example.

The pay item list used in this example is what was advertised on the web as “Schedule of Pay Items” for contractors to bid on.

Contract: IB 30854

Corridor: 098

Route: S.R. 25

Lead Des. No: 0401053

Other Des. No: 0900139

Location: Kokomo Pike (NB & SB)

District: La Porte

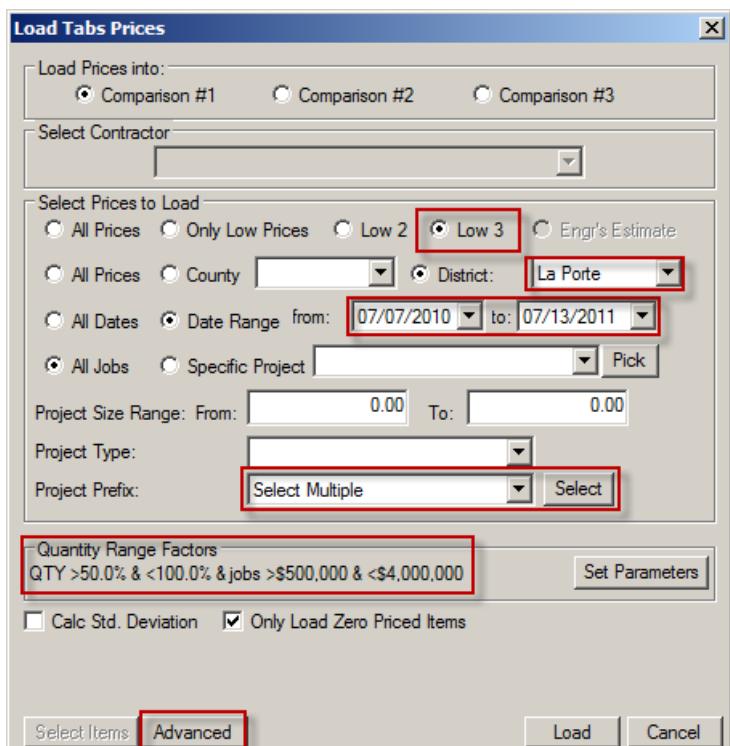
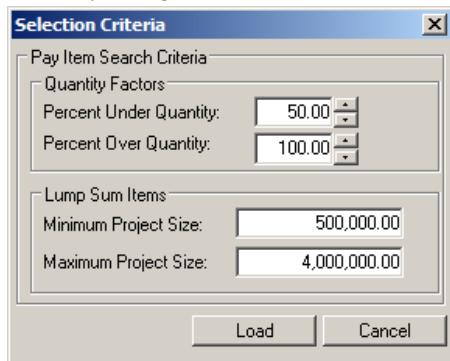
County: Cass

Letting: 08/10/2011

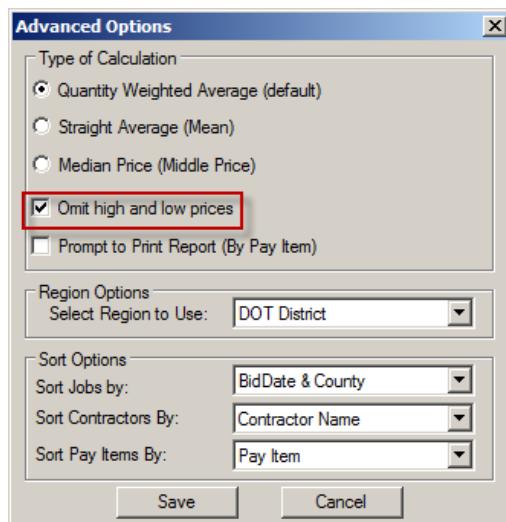
After importing the pay item list from excel, the following sets of search criteria will be used:

### Comparison 1:

- **Low 3**
- **La Porte District**
- Letting Range:  
From 07/07/2010 to 07/13/2011
- Project Prefix: Select Multiple  
**B, IB, R, IR**
- Quantity Range Factors:

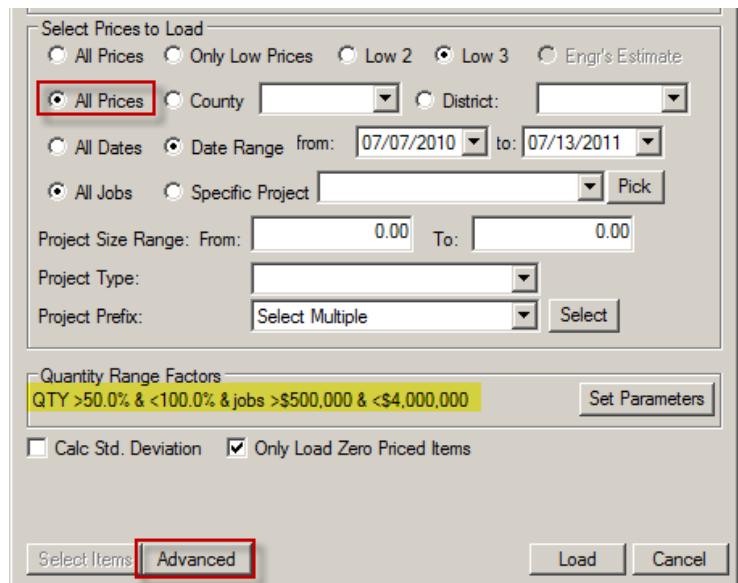
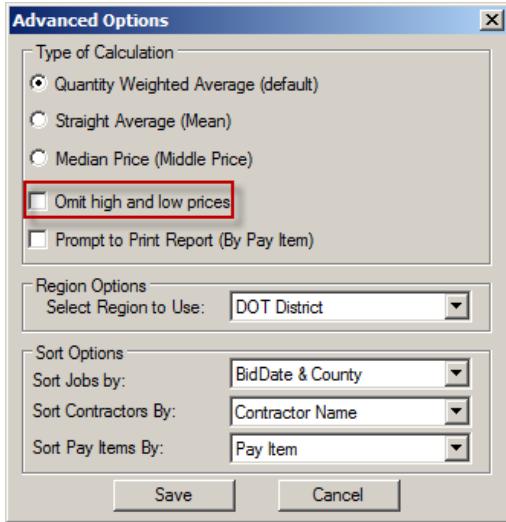


- Advanced:  
Check **Omit high and low prices**



**Comparison2:** Same as Comparison 1 except:

- All Prices instead of La Port District
- Advanced (optional):  
Uncheck Omit high and low prices

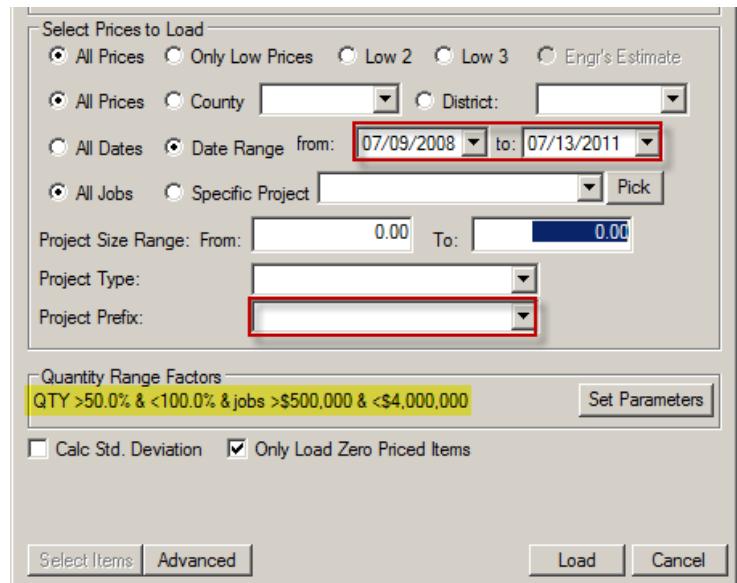


Make sure Quantity Range Factors is selected

**Comparison3:** Same as Comparison 2 except:

- Letting Range:  
From 07/29/2009 to 7/13/2011  
if no changes, then try  
From 07/09/2008 to 07/13/2011
- No Project Prefix selected

Make sure Quantity Range Factors is selected



At the end, if there are:

- **Zeros in Comparison 1:** then copy the same non zero values from Comparison 2 replacing the zeros in Comparison 1.
- **Zeros in Comparison 1 and 2:** then copy the same none zero values from Comparison 3 into both 1 and 2.
- **Zeros in Comparison 1, 2 and 3:** then use **Load One PI – State Average** to get the data for each zero item (see next page for more details)

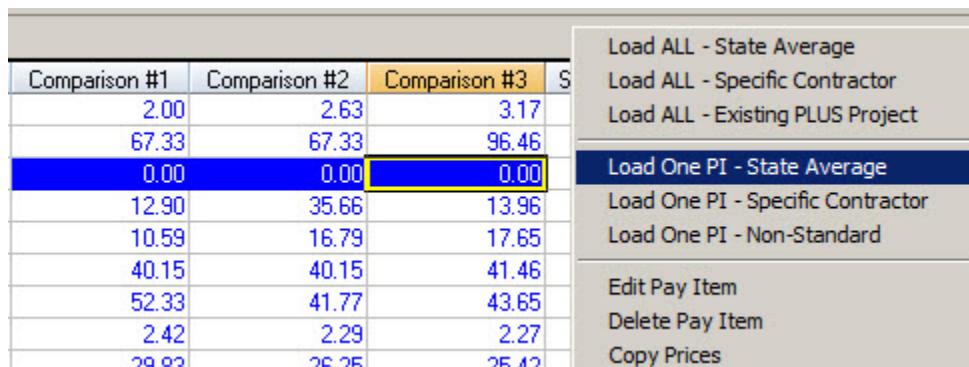
**Disclaimer:** The above three sets were selected as an example only. It is up to the estimator to decide what set of search criteria to be used. Many factors to consider: location, project size, time, type of project...etc.

## Using “Load One PI – State Average”:

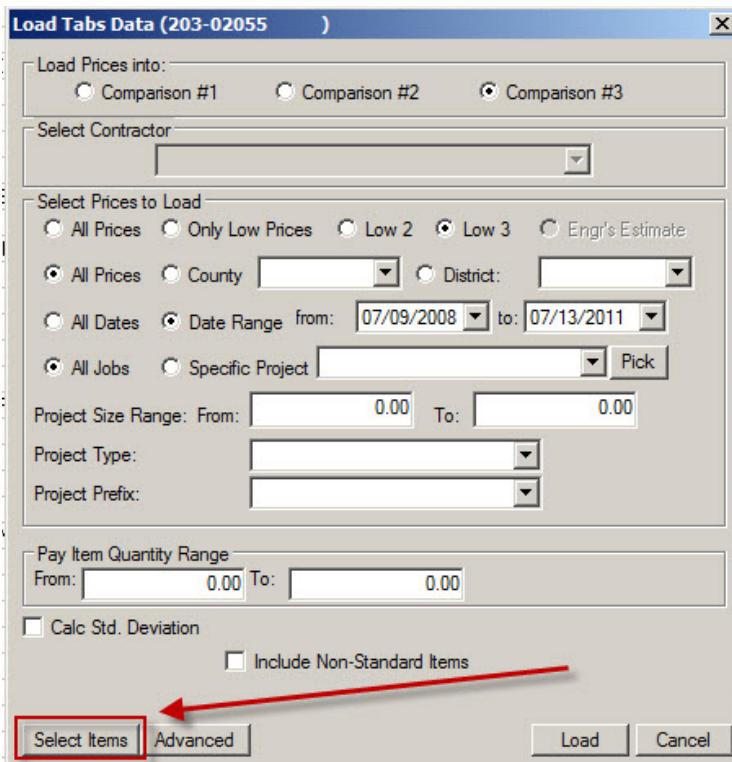
To get data for a specific item, such as “Embankment” with a quantity of: 45,813.00 C.Y.

	*PAY ITEM*	Description	Quantity	Unit	Unit Price	Extension	Comparison #1	Comparison #2	Comparison #3	Section	\$
10	202-99187	FENCE, FARM FIELD, REMOVE	589.00	L.F.	0.00	0.00	2.00	2.63	3.17	200	
11	203-02010	EXCAVATION, ROCK	100.00	C.Y.	0.00	0.00	67.33	67.33	96.46	200	
12	203-02055	EMBANKMENT	45,813.00	C.Y.	0.00	0.00	0.00	0.00	0.00	200	
13	203-08607	LINEAR GRADING	400.00	L.F.	0.00	0.00	12.90	35.66	13.96	200	
14	205-03371	SEDIMENT, REMOVE	180.00	C.Y.	0.00	0.00	10.59	16.79	17.65	200	
15	205-06931	TEMPORARY CHECK DAM, REVETMENT F	152.50	TON	0.00	0.00	40.15	40.15	41.46	200	

- Click on the item to select it,
- Click on the right button of the mouse and choose: **Load One PI – State Average**



- On the next menu, click on **Select Items**



- On the next menu, click on the column heading to sort

**Select Pay Items**

Pay Item	203-02055	EMBANKMENT	C.Y.						
P..	Bid Date	Bidder	Quantity	Bid Price	County	Job Number	Job Size	Desc	Notes
3	03/09/2011	sunesis construction co...	16.000	37.00	wayne	R-29894-A	121,765.26	on sr 1, at 0.79 mile north of us 35	district : greenfield district
2	01/26/2011	wagner, e.s. company	912,281.000	6.27	tippecanoe	IR-29161-A	45,603,229.69	on us 231 from wabash river to sr ...	district : crawfordsville district
3	01/27/2010	rieth-riley construction	100.000	24.81	lake	SR-32906-A	148,398.49	on summit street between wirtz ro...	district : laporte district
2	03/11/2011	rieth-riley construction	296,522.000	4.50	marshall, st. jos...	IR-30131-A	24,172,168.84	on us 31 from 0.532 mile north of ...	district : laporte district
3	05/11/2011	rieth-riley construction	799,980.000	4.75	carroll	IR-30845-A	17,033,258.24	on sr 25 from 1.42 mile east of tip...	district : laporte district
1	05/12/2010	r.l. mccoy, inc.	303.000	17.00	allen	B-32955-A	7,538,238.60	on us 27 over st. mary river	district : ft. wayne district
1	01/27/2010	walsh & kelly, inc.	100.000	40.00	lake	SR-32906-A	148,398.49	on summit street between wirtz ro...	district : laporte district
1	03/11/2011	walsh & kelly, inc.	296,522.000	4.81	marshall, st. jos...	IR-30131-A	24,172,168.84	on us 31 from 0.532 mile north of ...	district : laporte district
3	02/03/2011	beatty construction, inc.	1,175.000	15.00	delaware	B-29940-A	1,298,448.00	on sr 28 over halfway creek, 0.71...	district : greenfield district
3	03/11/2011	e & b paving, inc.	296,522.000	4.81	marshall, st. jos...	IR-30131-A	24,172,168.84	on us 31 from 0.532 mile north of ...	district : laporte district
2	03/09/2011	l.i.c.a. construction corp...	16.000	56.00	wayne	R-29894-A	121,765.26	on sr 1, at 0.79 mile north of us 35	district : greenfield district
2	03/17/2010	calumet civil contractor...	3,839.000	15.00	hendricks	SR-32797-A	3,082,974.91	on b&o greenway trail, from sr 267...	district : crawfordsville district
1	02/03/2011	calumet civil contractor...	1,175.000	0.01	delaware	B-29940-A	1,298,448.00	on sr 28 over halfway creek, 0.71...	district : greenfield district
1	05/12/2010	duncan robertson, inc.	122.000	8.00	madison	B-29763-A	767,457.75	on south "a" street over big duck...	district : greenfield district
3	05/19/2010	dave o'mara contractor,...	185,075.826	13.44	monroe	IR-29982-A(M)	21,930,825.00	on sr 46 from kinser pike to pete ...	district : seymour district
3	10/06/2010	dave o'mara contractor,...	625.000	70.00	vigo	R-33177-A	495,017.53	on brown blvd pathway from locu...	district : crawfordsville district
2	05/12/2010	primco, inc.	303.000	20.00	allen	B-32955-A	7,538,238.60	on us 27 over st. mary river	district : ft. wayne district
1	03/17/2010	george r. harvey & son, ...	3,839.000	17.00	hendricks	SR-32797-A	3,082,974.91	on b&o greenway trail, from sr 267...	district : crawfordsville district
2	07/07/2010	jack isom construction ...	5,323.000	29.00	white	B-30125-A	2,084,795.94	on west shafer road over big mon...	district : laporte district
2	05/12/2010	wirtz & yates, inc.	122.000	12.00	madison	B-29763-A	767,457.75	on south "a" street over big duck...	district : greenfield district

Number of Items Found: 39.00    Selected Pay Items: 39.00    Strt. Avg. of Selected: 17.33  
 Average of All Pay Items: 5.78    Median Price: 15.00    Wtd. Avg. of Selected: 5.78    Standard Deviation: 0.00  
 Show Excluded Items on Report

Reset All | Delete Item | Preview | Export | Graph | Load Selected Item | Load Median | Load Strt Avg | Load Wtd Avg | Cancel

- The quantity we have for the item is : 45,813.00 C.Y. Highlight the low and large quantity data lines, then click on **Delete Item**

**Select Pay Items**

Pay Item	203-02055	EMBANKMENT	C.Y.						
P..	Bid Date	Bidder	Quantity	Bid Price	County	Job Number	Job Size	Desc	Notes
3	03/09/2011	sunesis construction co...	16.000	37.00	wayne	R-29894-A	121,765.26	on sr 1, at 0.79 mile north of us 35	district : greenfield district
2	03/09/2011	l.i.c.a. construction corp...	16.000	56.00	wayne	R-29894-A	121,765.26	on sr 1, at 0.79 mile north of us 35	district : greenfield district
1	03/09/2011	king's trucking & excav...	16.000	16.52	wayne	R-29894-A	121,765.26	on sr 1, at 0.79 mile north of us 35	district : greenfield district
3	01/27/2010	rieth-riley construction	100.000	24.81	lake	SR-32906-A	148,398.49	on summit street between wirtz ro...	district : laporte district
1	01/27/2010	walsh & kelly, inc.	100.000	40.00	lake	SR-32906-A	148,398.49	on summit street between wirtz ro...	district : laporte district
2	01/27/2010	grimmer construction, inc.	100.000	20.10	lake	SR-32906-A	148,398.49	on summit street between wirtz ro...	district : laporte district
1	05/12/2010	duncan robertson, inc.	122.000	8.00	madison	B-29763-A	767,457.75	on south "a" street over big duck...	district : greenfield district
2	05/12/2010	wirtz & yates, inc.	122.000	12.00	madison	B-29763-A	767,457.75	on south "a" street over big duck...	district : greenfield district
3	05/12/2010	hi constructors inc	122.000	40.00	madison	B-29763-A	767,457.75	on south "a" street over big duck...	district : greenfield district
1	05/12/2010	r.l. mccoy, inc.	303.000	17.00	allen	B-32955-A	7,538,238.60	on us 27 over st. mary river	district : ft. wayne district
2	05/12/2010	primco, inc.	303.000	20.00	allen	B-32955-A	7,538,238.60	on us 27 over st. mary river	district : ft. wayne district
3	05/12/2010	anlaan corporation	303.000	24.36	allen	B-32955-A	7,538,238.60	on us 27 over st. mary river	district : ft. wayne district
3	10/06/2010	dave o'mara contractor,...	625.000	70.00	vigo	R-33177-A	495,017.53	on brown blvd pathway from locu...	district : crawfordsville district
1	10/06/2010	wabash valley asphalt c...	625.000	15.40	vigo	R-33177-A	495,017.53	on brown blvd pathway from locu...	district : crawfordsville district
2	10/06/2010	feutz contractors, inc.	625.000	36.00	vigo	R-33177-A	495,017.53	on brown blvd pathway from locu...	district : crawfordsville district
3	02/09/2011	beatty construction, inc.	1,175.000	15.00	delaware	B-29940-A	1,298,448.00	on sr 28 over halfway creek, 0.71...	district : greenfield district
1	02/09/2011	calumet civil contractor...	1,175.000	0.01	delaware	B-29940-A	1,298,448.00	on sr 28 over halfway creek, 0.71...	district : greenfield district
2	02/09/2011	schutt-lookabil company	1,175.000	0.01	delaware	B-29940-A	1,298,448.00	on sr 28 over halfway creek, 0.71...	district : greenfield district
2	03/17/2010	calumet civil contractor...	3,839.000	15.00	hendricks	SR-32797-A	3,082,974.91	on b&o greenway trail, from sr 267...	district : crawfordsville district
1	03/17/2010	george r. harvey & son, ...	3,839.000	17.00	hendricks	SR-32797-A	3,082,974.91	on b&o greenway trail, from sr 267...	district : crawfordsville district
3	03/17/2010	american contracting & ...	3,839.000	17.00	hendricks	SR-32797-A	3,082,974.91	on b&o greenway trail, from sr 267...	district : crawfordsville district
2	07/07/2010	jack isom construction ...	5,323.000	29.00	white	B-30125-A	2,084,795.94	on west shafer road over big mon...	district : laporte district
1	07/07/2010	wirtz & yates, inc.	5,323.000	20.00	white	B-30125-A	2,084,795.94	on west shafer road over big mon...	district : laporte district
3	07/07/2010	anlaan corporation	5,323.000	35.00	white	B-30125-A	2,084,795.94	on west shafer road over big mon...	district : laporte district
3	05/19/2010	dave o'mara contractor,...	185,075.826	13.44	monroe	IR-29982-A(M)	21,930,825.00	on sr 46 from kinser pike to pete ...	district : seymour district
2	05/19/2010	crider & crider, inc.	185,075.826	8.48	monroe	IR-29982-A(M)	21,930,825.00	on sr 46 from kinser pike to pete ...	district : seymour district
1	05/19/2010	milestone contractors, l.p.	185,075.826	5.96	monroe	IR-29982-A(M)	21,930,825.00	on sr 46 from kinser pike to pete ...	district : seymour district
2	03/11/2011	rieth-riley construction	296,522.000	4.50	marshall, st. jos...	IR-30131-A	24,172,168.84	on us 31 from 0.532 mile north of ...	district : laporte district
1	03/11/2011	walsh & kelly, inc.	296,522.000	4.81	marshall, st. jos...	IR-30131-A	24,172,168.84	on us 31 from 0.532 mile north of ...	district : laporte district
3	03/11/2011	e & b paving, inc.	296,522.000	4.81	marshall, st. jos...	IR-30131-A	24,172,168.84	on us 31 from 0.532 mile north of ...	district : laporte district
1	02/11/2011	crider & crider, inc.	744,530.000	3.45	carroll	IR-30849-A	15,980,158.02	on sr 25 from 0.2 mile east of or 4...	district : laporte district
3	02/11/2011	milestone contractors, l.p.	744,530.000	4.30	carroll	IR-30849-A	15,980,158.02	on sr 25 from 0.2 mile east of or 4...	district : laporte district
2	02/11/2011	walsh construction com...	744,530.000	3.76	carroll	IR-30849-A	15,980,158.02	on sr 25 from 0.2 mile east of or 4...	district : laporte district
3	05/11/2011	rieth-riley construction	799,980.000	4.75	carroll	IR-30845-A	17,033,258.24	on sr 25 from 1.42 mile east of tip...	district : laporte district
2	05/11/2011	crider & crider, inc.	799,980.000	4.74	carroll	IR-30845-A	17,033,258.24	on sr 25 from 1.42 mile east of tip...	district : laporte district
1	05/11/2011	milestone contractors, l.p.	799,980.000	4.50	carroll	IR-30845-A	17,033,258.24	on sr 25 from 1.42 mile east of tip...	district : laporte district
2	01/26/2011	wagner, e.s. company	912,281.000	6.27	tippecanoe	IR-29161-A	45,603,229.69	on us 231 from wabash river to sr ...	district : crawfordsville district
3	01/26/2011	crider & crider, inc.	912,281.000	9.50	tippecanoe	IR-29161-A	45,603,229.69	on us 231 from wabash river to sr ...	district : crawfordsville district
1	01/26/2011	d j mcquestion & sons inc	912,281.000	7.56	tippecanoe	IR-29161-A	45,603,229.69	on us 231 from wabash river to sr ...	district : crawfordsville district

Number of Items Found: 39.00    Selected Pay Items: 39.00    Strt. Avg. of Selected: 17.33  
 Average of All Pay Items: 5.78    Median Price: 15.00    Wtd. Avg. of Selected: 5.78    Standard Deviation: 0.00  
 Show Excluded Items on Report

Reset All | **Delete Item** | Preview | Export | Graph | Load Selected Item | Load Median | Load Strt Avg | Load Wtd Avg | Cancel

- Now, you can either Load Selected Item, or Load Wtd Avg

**Select Pay Items**

Pay Item	203-02055	EMBANKMENT	C.Y.					
Pos	Bid Date	Bidder	Quantity	Bid Price	County	Job Number	Job Size	Desc
3	05/19/2010	dave o'mara contractor, inc.	185,075.826	13.44	monroe	IR-29982-A(M)	21,930,825.00	on st 46 fro
2	05/19/2010	crider & crider, inc.	185,075.826	8.48	monroe	IR-29982-A(M)	21,930,825.00	on st 46 fro
<b>1</b>	<b>05/19/2010</b>	<b>milestone contractors, l.p.</b>	<b>185,075.826</b>	<b>5.96</b>	<b>monroe</b>	<b>IR-29982-A(M)</b>	<b>21,930,825.00</b>	<b>on st 46 fro</b>
2	03/11/2011	rieth-riley construction	296,522.000	4.50	marshall, st. joseph	IR-30131-A	24,172,168.84	on us 31 fro
1	03/11/2011	walsh & kelly, inc.	296,522.000	4.81	marshall, st. joseph	IR-30131-A	24,172,168.84	on us 31 fro
3	03/11/2011	e & b paving, inc.	296,522.000	4.81	marshall, st. joseph	IR-30131-A	24,172,168.84	on us 31 fro

Number of Items Found: 39.00      Selected Pay Items: 6.00      Strt. Avg. of Selected: 7.00  
 Average of All Pay Items: 5.78      Median Price: 5.96      Wtd. Avg. of Selected: 6.47  
 Show Excluded Items on Report      Standard Deviation: 3.48

Reset All    Delete Item    Preview    Export    Graph    **Load Selected Item**    Load Median    Load Strt Avg    **Load Wtd Avg**    Cancel

### Using “Load One PI – Non Standard”:

- Click on the item to select it,
- Click on the right button of the mouse and choose: **Load One PI – Non-Standard**
- In the next menu, keep the first part of the item number **203-** and under Description, type: **EMBAN..** (*notice the two dots at the end as wild card search*)
- This will search for all item which starts with number **203**, and description that starts with **EMBAN** with optional lettings of **Last 36 months**.
- Looking at the results, you can click on the column headings to sort and eliminate what is not needed, and then click on **Load Avg.**

23,474.63	26,933.02	29,157.69
20.35	23.40	23.03
2.00	2.63	3.17
67.33	67.33	96.46
<b>0.00</b>	<b>0.00</b>	<b>0.00</b>
12.90	35.66	13.96
10.59	16.79	17.65
40.15	40.15	41.46
52.33	41.77	43.65
2.42	2.29	2.27
29.83	26.25	25.42
50.00	78.65	83.44

Load ALL - State Average

Load ALL - Specific Contractor

Load ALL - Existing PLUS Project

Load One PI - State Average

Load One PI - Specific Contractor

**Load One PI - Non-Standard**

Edit Pay Item

Delete Pay Item

Copy Prices

**Pay Item Search**

Project Pay Item: 203-02055    EMBANKMENT    C.Y. 45,813.00

Search Criteria:  
 Pay Item: **203-**     Exact Pay Item Match  
 Description: **EMBAN..**   

Load Options:  
 All Prices     Only Low     Low 2     Low 3  
 All Lettings     Selected Lettings    **Last 36 Months**  
 All Cty/Reg     Sel District/Cty    County:    District:  
 Quantity Range: From: 0.00 To: 0.00  
 Specific Contractor: All Contractors  
 Project Type:  
 Project Prefix:

Pay Item	Pay Item Description	Bid Date	Quantity	Unit	Bid Price	Bidder
Totals Avg. Quantity: 0.00    Weighted Average:    Count: 0.00						

Print    Delete Item    Reset All Items    Advanced        Close

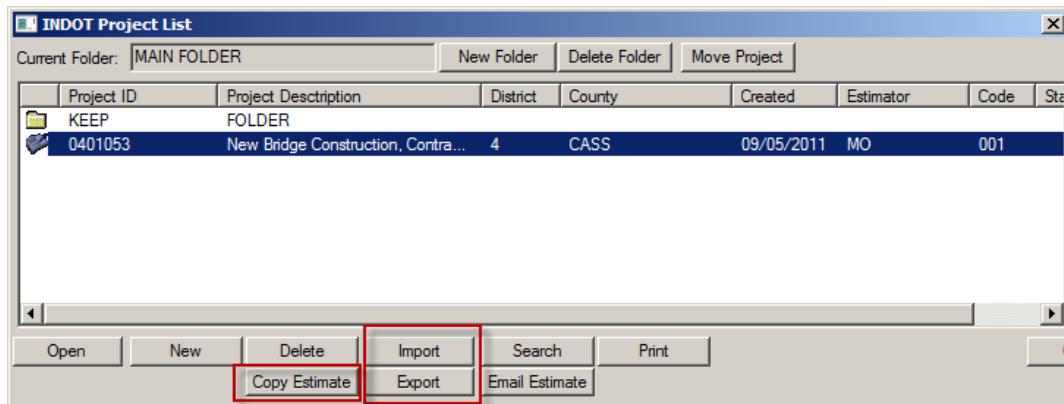
## Notes:

### Exporting/Importing files:

In most programs, you can use Save As to save the file in certain location. In Oman, you should use “**Export**” instead.

To open the file from a different machine, use: “**Import**”.

You can also make a backup copy of the file using “**Copy Estimate**”



### Sorting Columns:

Double click on the headings of those columns to **sort** them: Pay Item, Description, Quantity and Unit

*PAY ITEM*		Description	Quantity	Unit
1	105-06845	CONSTRUCTION ENGINEERING	1.00	L.S.
2	109-08359	LIQUIDATED DAMAGES	1.00	\$
3	109-08360	CONTRACT LIENS	1.00	\$

### Renaming Columns:

Double click on the headings of those columns to **rename** them: Unit Price, Comparison #1, Comparison #2, and Comparison #3

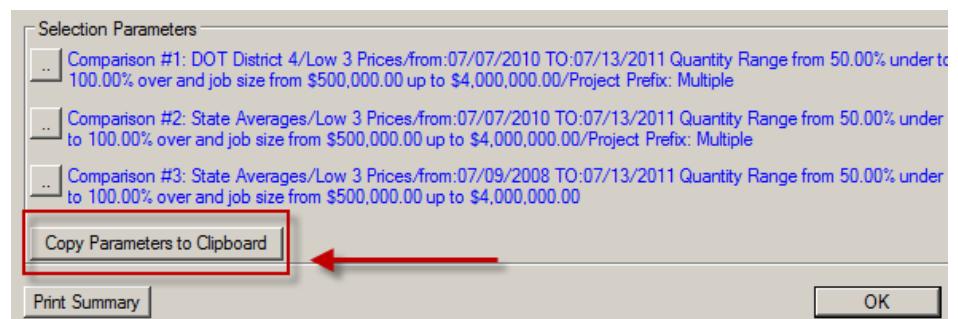
Unit Price	Extension	Comparison #1	Comparison #2	Comparison #3
21,699.91	21,699.91	21,699.91	19,022.26	14,825.95
1.00	1.00	1.00	1.00	1.00

### Copy Search/ Parameters Sets:

Click on **Section Totals** button, then on the button:

### **“Copy Parameters to Clipboard”.**

You can paste the data in Excel or Word



### Copying, Pasting:

It is useful to use the short cut key to copy the content of a cell and paste into another using: (**Ctrl + C**) to copy, (**Ctrl + V**) to paste