

# Sorts

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## Sort Overview

Manual Sorting

Line Number

Line Pay

Manual

Pay Per Day

Pay Per Duty Hour

Pay Per Flight Hour

Pay Per FDP

Pay Per Time Away  
from Base

Selected Column

## Block Sort

- |                                   |                                |
|-----------------------------------|--------------------------------|
| 1. <u>AMs then PMs</u>            | 10. <u>Pay Per Flight Hour</u> |
| 2. <u>Blocks of Days Off</u>      | 11. <u>Pay Per TAFB</u>        |
| 3. <u>Days Off</u>                | 12. <u>Perdiem</u>             |
| 4. <u>Duty Periods (asc)</u>      | 13. <u>PMs than AMs</u>        |
| 5. <u>Flight Time</u>             | 14. <u>Start Day of Week</u>   |
| 6. <u>Largest Blk of Days Off</u> | 15. <u>Vac Pay</u>             |
| 7. <u>Pay Credit</u>              | 16. <u>Weekday Pairings</u>    |
| 8. <u>Pay Per Day</u>             | 17. <u>Weights</u>             |
| 9. <u>Pay Per Duty Hour</u>       |                                |
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## Sort Overview

The purpose of **WBid** is to put the Lines in a desired order so that a bid can be submitted. The first Line in the order would be your first choice, the second Line would be your second choice, etc. Understanding how to sort the Lines is paramount to achieving the desired order.

When bid data is retrieved, assuming you have not changed the default behavior, the Lines are sorted in Line Number order just as they would be in a bid package. Your job is to use the tools within **WBid** to change the order.

Three important rules when sorting with **WBid**:

- Lines locked in place will not be moved. Lines can only be locked at the top or bottom of the order.
- ALL Constrained Lines will be moved below the unconstrained Lines (unless locked).
- Lines are sorted by a "MyValue" system. The Line with the most "MyValue" points becomes the first Line in the order.

### Step 1. Choose a Sort option.

The Sort option determines the overall sort method for the Lines. Examples are Line Pay, Pay per Day, Pay per Flight Hour, etc.

Choosing a sort option determines the base MyValue points. All other Weights are added/subtracted from the Lines base points.

There are two special sort methods; **Block Sort** and **Column Sort**.

Additionally, the sort menu provides special handling for Reserve and BlankLines (pilots) that allow you to quickly move these lines as a set to the bottom of the order.

### Step 2. Apply **Weights** and/or **Constraints**.

In general, positive weights make Lines with desired attributes float up in the order and negative weights make Lines with undesired attributes move down in the order.

Constraints override the points total and force Lines with undesired attributes to the bottom of the order. A Line that fails one, or more, constraints is considered "constrained".

Lines may also be sorted by **selecting a column** in the Line Summary View. Locked lines remain locked. Constrained lines remained constrained.

### Step 3. Manually Move and/or Lock Lines.

Locks can be used to "freeze" Lines in place. Once locked, Lines will not move regardless of the choice of sort option, weights, or constraints.

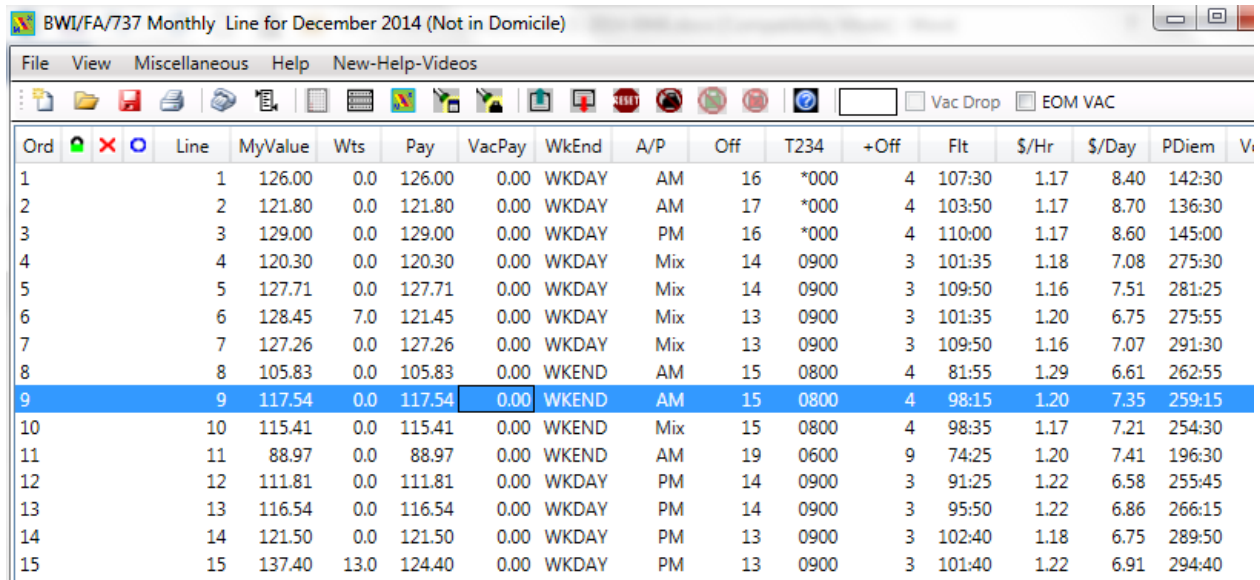
Lines may also be moved manually within the Line Summary View. If you want to keep them in the manually moved order you must lock them in place. Changing any weight, constraint, or sort option will resort all the Lines and remove any manual ordering.

Here is an image of a set of Lines sorted by Line Pay where Top Lock (🔒), Bottom Lock (🔒), and Constraints have been applied. Note that both constrained Lines (❌) and unconstrained Lines may exist in both locked areas.

🔒	❌	🔍	Line	Points	Pay	WkEnd	A/P	Off	T234
🔒			187	89.7	89.70	WKDAY	PM	19	0040
🔒			189	89.5	89.52	WKDAY	PM	19	0040
🔒			39	89.2	89.20	WKEND	MTV	19	0040
🔒	❌		141	104.2	104.20	WKEND	MTV	16	0023
🔒	❌		128	104.9	104.90	WKEND	MTV	16	0004
🔒			37	89.5	89.52	WKEND	AM	19	0040
🔒			77	89.5	89.50	WKEND	AM	18	0330
			234	89.5	89.50	WKDAY	PM	18	0050
			190	89.4	89.40	WKEND	PM	19	0040
			78	89.3	89.32	WKEND	AM	18	0610
			191	89.3	89.32	WKDAY	PM	19	0320
			192	89.3	89.28	WKEND	PM	19	0040
			40	89.2	89.20	WKEND	AM	19	0040
			41	89.2	89.20	WKEND	AM	19	0040
			82				AM	18	2130
			83				AM	18	0510
			42	89.1	89.12	WKEND	AM	19	0040
			43	89.1	89.10	WKEND	AM	19	0040
			44	89.1	89.10	WKEND	AM	19	0040
			156	89.1	89.08	WKEND	PM	20	0130
			193	89.0	89.05	WKDAY	PM	19	0040
			236	89.0	89.00	WKDAY	PM	18	0230
	❌		124	105.0	105.00	WKDAY	AM	16	0023
	❌		125	105.0	105.00	WKEND	AM	16	0004
	❌		287	104.9	104.90	WKDAY	PM	16	0023
	❌		130	104.8	104.80	WKDAY	AM	16	0041
	❌		131			DAY	AM	16	0023
	❌		132			DAY	AM	16	0032
	❌		292	104.7	104.70	WKEND	PM	16	0013
	❌		296	104.6	104.62	WKEND	PM	16	0004
	❌		136	104.6	104.60	WKDAY	AM	16	0023
	❌		137	104.6	104.60	WKDAY	AM	16	0041
	❌		139	104.4	104.38	WKDAY	AM	16	0041
🔒	❌		142	104.1	104.08	WKEND	AM	16	0013
🔒			36				AM	19	0040
🔒			188				PM	19	0040
🔒	❌		237	104.0	104.00	WKEND	PM	17	0013

## Manual Sorting

Lines can be manually moved by selecting lines by clicking on the line, and then right clicking on the line you want to move the selected line above. Shown below, line 9 is selected.




Ord	Line	MyValue	Wts	Pay	VacPay	WkEnd	A/P	Off	T234	+Off	Flt	\$/Hr	\$/Day	PDiem	V
1	1	126.00	0.0	126.00	0.00	WKDAY	AM	16	*000	4	107:30	1.17	8.40	142:30	
2	2	121.80	0.0	121.80	0.00	WKDAY	AM	17	*000	4	103:50	1.17	8.70	136:30	
3	3	129.00	0.0	129.00	0.00	WKDAY	PM	16	*000	4	110:00	1.17	8.60	145:00	
4	4	120.30	0.0	120.30	0.00	WKDAY	Mix	14	0900	3	101:35	1.18	7.08	275:30	
5	5	127.71	0.0	127.71	0.00	WKDAY	Mix	14	0900	3	109:50	1.16	7.51	281:25	
6	6	128.45	7.0	121.45	0.00	WKDAY	Mix	13	0900	3	101:35	1.20	6.75	275:55	
7	7	127.26	0.0	127.26	0.00	WKDAY	Mix	13	0900	3	109:50	1.16	7.07	291:30	
8	8	105.83	0.0	105.83	0.00	WKEND	AM	15	0800	4	81:55	1.29	6.61	262:55	
9	9	117.54	0.0	117.54	0.00	WKEND	AM	15	0800	4	98:15	1.20	7.35	259:15	
10	10	115.41	0.0	115.41	0.00	WKEND	Mix	15	0800	4	98:35	1.17	7.21	254:30	
11	11	88.97	0.0	88.97	0.00	WKEND	AM	19	0600	9	74:25	1.20	7.41	196:30	
12	12	111.81	0.0	111.81	0.00	WKDAY	PM	14	0900	3	91:25	1.22	6.58	255:45	
13	13	116.54	0.0	116.54	0.00	WKDAY	PM	14	0900	3	95:50	1.22	6.86	266:15	
14	14	121.50	0.0	121.50	0.00	WKDAY	PM	13	0900	3	102:40	1.18	6.75	289:50	
15	15	137.40	13.0	124.40	0.00	WKDAY	PM	13	0900	3	101:40	1.22	6.91	294:40	


If I were to then place the mouse over line 3 and right click, then line 9 would be moved to above line 3.

If you want to move multiple lines you can select a line, then hold down the shift key and select another line. This would select a continuous selection of lines. You can then move this selection by right clicking the line you want to move the selection of lines above.

If you want to create a selection of non-continuous lines, the select a line, hold down the ctrl key and select whatever other lines you want in the selection. Now that you have a non-continuous selection, you can move the selection with a right click as described previously.

**Lines can also be moved by “Promoting” or “Trashing the line(s).**

 The icon to the left will “Promote” all lines that have their “SEL” icon selected. That means the lines are moved to the bottom of the Top Lock zone and Top Locked in place.

 The icon to the left will “Trash” all lines that have their “SEL” icon selected. That means the lines are moved to the top of the Bottom Lock zone and Bottom Locked in place.

It is important to note that the Lines will be completely re-sorted, thus removing the manual sort, when any of the following occur:

- A sort option is changed.
- A column sort is selected.
- To save the manually sorted order you must lock the Lines in place up to the manually moved line.
- Or if you accidentally change your manual sort, you can always UNDO

## Line Number

Lines will be ordered sequentially (Line 1 followed by Line 2, etc.). This is the order the data you see when you first download the next month's bid data.

If you see Constrained lines mixed in with Non-Constrained lines, it is likely because you still have "Line Number" selected as a Sort Method.

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## Line Pay

Lines will be sorted highest to lowest based upon MyValue points. MyValue points are always equal to Line Pay plus Weights for the line. If there are NO weights set, then the sort order will be highest tfp to lowest tfp.

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## Pay Per Day

Points for this sort method is 14 times Pay Credit divided by Work Days. The lines will be sorted highest to lowest trip pay per Work Day.

Select Pay Per Day to maximize daily productivity.

Note: Carry-out is included

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## Pay Per Duty Hour

Points for this sort method is 120 times Pay Credit divided by Duty Hours. The lines will be sorted highest to lowest trip pay per scheduled Duty Hour.

Select Pay Per Duty Hour to maximize pay per each hour of duty. It also has the effect of minimizing duty time.

Note: Carry-out is included

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## Pay Per Flight Hour

Points for this sort method is 80 times Pay Credit divided by Flight Hours. The lines will be sorted highest to lowest trip pay per scheduled Flight Hour.

Select Pay Per Flight Hour to maximize pay per hour of flight. This also has the effect of minimizing flight time.

Note: Carry-out is included

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## **Pay Per FDP**

Lines will be sorted highest to lowest trip pay per scheduled Flight Duty Period Time (FDP).

Select Pay Per FDP to maximize pay per hour of FDP. This also has the effect of minimizing FDP time.

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## **Pay Per Time Away from Base**

Points for this sort method is 300 times Pay Credit divided by Time Away From Base hours. The lines will be sorted highest to lowest trip pay per Hour away from Base (first push to last block-in)

Select Pay Per TAFB to maximize away-from-home productivity. This has the effect of minimizing time away from home.

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## **Block Sort**

sorts line by Blocks of criteria. This is like a "spreadsheet" sort.

Select Block Sort to group together lines with similar attributes.

Note: Constrained lines remain constrained.

Example: if I block sort with the following sort Keys:

1. Days OFF
2. PMs then AMs
3. Pay Credit.

The lines will be grouped by "Day Off". Then within each grouping of "Days Off", the lines will be grouped by PMs then AMs. Finally all of the PM lines within the Days Off group will be sorted most to least by Pay, then all of the AM lines within the Days Off group will be sorted most to least by Pay.

It is possible to have up to 15 different Sort criteria, but in practicality it become none effective after 3 to 4 sort keys.

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### **1. Block Sort - AMs then PMs**

Lines are sorted AMs first then PMs

### **2. Block Sort - Blocks of Days Off**

Lines are sorted days off to smallest days off. This sort is different than “Block Sort – Largest Blk of Days Off”.

### **3. Block Sort - Days Off**

Lines are sorted largest number of days off to least number of days off.

### **4. Block Sort – Duty Periods (asc)**

Lines are sorted fewest Duty Periods to most Duty Periods.

### **5. Block Sort - Flight Time**

Lines are sorted least block (flight) time to most block (flight) time.

### **6. Block Sort - Largest Blk of Days Off**

Lines are sorted largest block of days off (+Off) to least block of days off. This sort is different than “Block Sort – Blocks of Days Off”.

### **7. Block Sort - Pay Credit**

Lines are sorted most tfp to least tfp.

### **8. Block Sort - Pay Per Day**

Lines are sorted most tfp per day to lease tfp per day.

### **9. Block Sort - Pay Per Duty Hour**

Lines are sorted least duty hours per day to most duty hours per day.

### **10. Block Sort - Pay Per Flight Hour**

Lines are sorted most pay per flight hour to least pay per flight hour.

### **11. Block Sort - Pay Per TAFB**

Lines are sorted most pay per TAFB to least pay per TAFB. This sort is opposite of “Block Sort – Perdiem”.

### **12. Block Sort – Perdiem**

Lines are sorted most TAFB to lease TAFB. This sort is opposite of “Block Sort – Pay Per TAFB”.

### **13. Block Sort - PMs than AMs**

Lines are sorted AMs then PMs.

#### 14. Block Sort - Start Day of Week

Lines are sorted Wed, Tue, Thu, Sun, Sat, Mon.

#### 15. Block Sort - Vac Pay

Lines are sorted with the most vacation pay to the least vacation pay.

#### 16. Block Sort - Weekday Pairings

Lines are sorted Weekday first then Weekend last.

#### 17. Block Sort – Weights

Lines are sorted by most Weights to least Weights.

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### Selected Column

Lines are sorted by the selected column either ascending (/) or descending (\).

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### Manual

The lines are NOT sorted. The user has manually moved a line and the lines are now in manual order.

**Caution:** If you manually move a line, it is wise to then lock the lines up to the manual move. Otherwise, if you select a Sort method, your manually moved line will be re-sorted IAW the sort logic for the chosen Sort method.

Of course, if this happens you can always UNDO the sort with the UNDO button.

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