

Section 5.13

PLAN SUMMARY BOXES/ESTIMATED QUANTITIES REPORT

5.13.1 Purpose

This chapter provides instructions for the Department's Construction personnel in charge of compiling and documenting the information necessary to substantiate the final pay quantities. ~~The final pay quantities will be documented in~~ as it relates to the **Plan Summary Boxes** located on the and **Estimated Quantities Report (EQR)**, as well as **Form 700-050-10, Pay Item Summary** of Quantity Sheets in the **Final As-Built Plans** and **Certification**.

5.13.2 Authority

Sections 20.23(3) (a) and 334.048 (3), Florida Statutes (F.S.)

5.13.3 References

Sections 337.11(10), 337.145(1) (2) and 334.044(30), F.S.
FDOT Design Manual
Review & Administration Manual
Computer Aided Design and Drafting (CADD) Manual
Structures Manual
Basis of Estimates (BOE) Manual

5.13.4 General ~~Concept~~Information

The **Plan Summary Boxes** were created to replace the Computation Book and are located on the Summary of Quantity Sheets in the **Final As-Built Plans**. For Design requirements regarding the **Plan Summary Boxes**, please see the **FDOT Design Manual (FDM) Chapter 307** and **CADD Manual, Chapter 8**.

The **Estimated Quantities Report** was created to replace **Plan Summary Boxes** for NexGen Plans development. This is a standalone report that provides pay item information previously found in the **Plan Summary Boxes** and on plan sheets. For Design requirements regarding the **EQR**, please see the **FDM Chapter 902** and **CADD Manual Chapter 8**.

Design requirements for bridge projects can be found in the **Structures Manual**. Also see the **FDOT Design Manual** for further requirements. A list of all the **Plan Summary**

Boxes, EQR tables, and their descriptions is available in the *Basis of Estimates (BOE) Manual, Chapter 8.*

The Engineer of Record (EOR) is required to provide either a .DWG file in AUTOCADD or Civil 3D or a .DGN file in MicroStation ~~or Geopak~~ and backup calculations in Excel spreadsheets to support the pay item quantities shown in the Contract.

~~The method used by EOR to develop design quantities for pay items **IN NO WAY** reflects the method to be used to determine final pay quantities.~~

~~For Design requirements regarding the *Plan Summary Boxes*, quantities, and supporting calculations for roadway projects, please see the *CADD Manual, Chapter 4*. Design requirements for bridge projects can be found in the *Structures Manual*. Also see the *FDOT Design Manual* for further requirements. A list of all the *Plan Summary Boxes* and their descriptions is available in the *Basis of Estimates (BOE) Manual, Chapter 8*.~~

~~The Construction personnel will document the Final Quantities in the *Plan Summary Boxes* and reference to any supporting computations for all changes made during construction.~~

5.13.5 Resident Office Responsibilities

The Resident Office will track quantities each month and reconcile quantities in AASHTOware Project Construction (PrC) within 30 days of pay item closeout. Document all changes in quantities and enter backup documentation into EDMS per **CPAM 5.14** and **CPAM 5.15**. ~~Construction staff have the following responsibilities regarding *Plan Summary Boxes*:~~

~~A responsible person shall spot check Plan Quantity (PQ) Designer~~ Ensure supporting documentation for quantities is available once payment is made per **CPAM 2.2**.

(A) Quantity Verification

Spot check original quantities. If a dispute arises before or during the construction of a project involving quantities ~~for one or more of the plan quantity items~~, address and correct the quantities in the following manner:

(1) PQ Errors of Minor Nature: ~~an example~~

- (a) Example would be if the EOR reported 100 LF of curb and gutter rather than the actual quantity of 1,000 LF. In this case, a simple correction would suffice.

(2) PQ Errors of Major Nature: ~~an example~~

- (a) Example would be if the EOR omitted the southwest quadrant of an intersection. ~~Errors of major nature are to be resolved by the EOR.~~
- (b) Construction will request, in writing, that the EOR submit detailed documentation or verify the concern for the ~~plan~~-quantity ~~item(s)~~ in question, per the **BOE Manual, Chapter 8**. The EOR shall submit the supporting documentation within five (5) business days of the request from Construction.

(B) Plan Summary Boxes

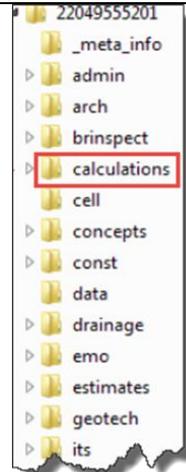
Construction staff have the following responsibilities regarding **Plan Summary Boxes**:

~~(B)~~ Any markups in the **Plan Summary Boxes** will be made using red font color throughout the construction and final acceptance phases. For the District Final Estimates Offices (DFEO) color convention see Section 5-12 of this Manual and Chapter 4 of the Review & Administration Manual.

(1) Ensure all revised **Plan Summary Boxes** are included in the **Final As-Built Plans** per **CPAM 5.12.**

~~(1)~~(2) Ensure all **Plan Summary Boxes** are updated with final quantities and any changes made during construction within 30 days of pay item closeout per **CPAM 5.12.8.** Place a red check mark in the final quantities column of the **Plan Summary Box** when there are no changes to the contract quantity. Enter the final quantity when the contract quantity differs from the final quantity. See **Attachments 5-13-1A and 5-13-2A.** See **Attachment 5-13-3A** for a Lump Sum Project Summary of Quantities Sheet.

- (3) ~~All~~ Use red font color for any markups.
- ~~(2)~~(4) Reference all back up documentation ~~will be~~ referenced by EDMS number in the ~~Plan Summary Boxes~~ Remarks column.
- (5) ~~To~~ Use the Excel spreadsheets included in the ~~CADD [FPID].zip or BIM [FPID].zip file~~, in the ~~Calculations~~ directory (see Figure 1) to add a new ~~Plan Summary Box~~ to the ~~Final As-Built Plans~~. Refer to the CADD Manual.
- (6) See **Attachment 5-13-1**.



**Figure 1 -
CADD [FPID].zip**

(C) EQR

Construction staff have the following responsibilities regarding the **EQR**:

- (1) Ensure the original ~~plans during construction~~, refer to the ~~CADD Manual~~ **EQR** and ~~Section~~ all revisions are inputted in EDMS.
- (2) Reference all back up documentation by EDMS number on **Form 700-050-10, Pay Item Summary and Certification**. See **CPAM 5.13.7**.

~~5.14 of this Manual.~~
~~Basis of Estimating~~

- (3) The EQR Excel file found within the **CADD [FPID].zip or BIM [FPID].zip file** may be used to track all changes by merging revised EQRs and adding field changes to the spreadsheets. Enter updated EQR Excel file(s) in EDMS and reference when used.
- (4) See **Attachment 5-13-2**

5.13.6 Precision and Rounding

A standard method of calculation ~~and rate of application~~ has been established ~~for each pay item~~, so all design estimating functions ~~will use the same method and rate for contingent items~~ are consistent. The precision for each unit of measure and standard rounding rules are identified in the **BOE Chapter 2.2**.

~~The basis of estimating, and the accuracy required, are shown in the~~ **Basis of Estimates Manual**.

5.13.6 Final Estimates Backup Documentation

All backup documentation for each pay item within a Summary Box will be referenced in the Final As-Built Plans. Standard construction forms, such as Site Source Records, are used to record field measurements for final quantities. All required field measurements shall be recorded on the appropriate form. See **Section 5.14** of this **Manual** for information on all Site Source Records to be used for back-up documentation.

Only final measured pay items should be final measured. Plan quantity items are not final measured. Only field changes and plan errors are measured and documented on the appropriate forms, as stated in **Section 5.14** of this **Manual**.

All changes in rates of application, limits, etc., shall be documented in the **Plan Summary Box** along with the revised quantities. All backup calculations of final quantities will be referenced.

All changes by Supplemental Agreements (SA) and/or Work Orders must be reflected in the quantities with their supporting computations.

(A) Backup Documentation Submittal Options:

(1) Using the Excel CADD Zip File:

Construction personnel may use the Excel version of the **Plan Summary Box** that is in the CADD [FPID].zip file included with the project delivery. (See **Section 5.14** of this **Manual** or the **CADD Manual** for further instructions.)

- a) The remarks column on the right side of each **Plan Summary Box** should be used to reference where to find supporting documentation or show changes.
- b) Additional information (i.e. explanations, comments, and calculations) can be recorded in the "Final Backup" tab of each **Plan Summary Box** Excel workbook file when necessary. (See **Attachment 5-13-1A** and **5-13-1B** for an example.)
- c) A PDF of the Excel file (**Plan Summary Box**) with references to all the necessary backup information can be inserted into the Final As-Built Plans behind the original Summary of Quantity Sheet, which will be voided. The .xls version shall be input into EDMS.

~~d) Regardless of how the backup is created, indicate in the “Remarks Column” of the **Plan Summary Box** where the backup can be found.~~

~~(2) Using the Final As-Built Plans file~~

~~a) The “Remarks Column” on the right side of each **Plan Summary Box** can be used to reference where to find supporting documentation or show changes. (See **Attachment 5-13-2A** and **5-13-2B** for an example.)~~

~~b) Department forms, or Excel or Word formatted documents can be used to show any changes or backup calculations to substantiate a quantity change.~~

~~c) Backup documentation shall be input into EDMS. If files contain computerized calculations, input into EDMS in the native file format (i.e. .xls, not PDF) for verification purposes.~~

~~d) Always reference where to find the backup documentation on the **Plan Summary Box**.~~

During construction: use all decimals when calculations are generated automatically from a computer application, then use common rules to round to the appropriate precision for final payment. Manual calculations should be performed using one additional significant figure, then use common rules to round to the appropriate precision for payment.

5.13.7 Form 700-050-10, Pay Item Summary and Certification **Sheet**

(A) This form Resident Office Responsibility

The **Form 700-050-10, Pay Item Summary and Certification** shall be generated at the end of the project, to incorporate all the necessary data, such as pay items, quantities, adjustments, Supplemental Agreements (SA), and Work Orders. This document will be submitted with the **Final Estimates Documentation**. The steps below explain how to locate this form:

- Access the [Employee Portal@MyFDOTState Construction Office Construction application](#)
- [Login](#)
- Select [Office Sites Reports](#)
- ~~Select [Construction Intranet Address](#)~~
- ~~Select [Ad Hoc Report System](#)~~
- Select [Central Office \(Statewide Construction Dashboard Reports\)](#)

- Select the Estimates tab
- Select Pay Item Summary and Certification ~~Sheet~~-Report

To create the report, enter the contract number, select the desired output format (i.e. PDF or ~~HTML~~Excel) and select ~~Submit~~Get. The **Form 700-050-10, Pay Item Summary and Certification ~~Sheet~~** will be generated by obtaining data from ~~SiteManager~~PrC. Ensure all information is correct and reference all appropriate back up documentation in the EDMS Doc/Page # field.

The Final Estimates Level 2 qualified staff (typically the Project Administrator (PA) and/or Contract Support Specialist), the PA, and the RE will sign to certify the accuracy of the final quantities. See Attachment 5-13-3.

(B) District Office Responsibility

The District Final Estimates Office staff will sign **Form 700-050-10, Pay Item Summary and Certification** and replace in EDMS after reviewing the **Final Estimates Documentation. See Attachment 5-13-3.**

5.13.8 Attachments

~~Attachment 5-13-1AExcel1
..... Updated Plan Summary Box and Backup Documentation Example
Attachment 5-13-2 Estimated Quantities Report
Attachment 5-13-1B Excel Plan3
Form 700-050-10, Pay Item Summary Box Backup Documentation Example and
Certification
Attachment 5-13-2A Plan Summary Box and Backup Documentation Example
Attachment 5-13-2B Plan Summary Box Backup Documentation Example
Attachment 5-13-3A Plan Summary Box for a Lump Sum Project Example~~

ATTACHMENT 5-13-1B
EXCEL PLAN SUMMARY BOX BACKUP DOCUMENTATION EXAMPLE

PAY ITEM NUMBER	DETAILED REMARKS	DFEO REMARKS	
		SHEET/CELL	DESCRIPTION
285-709	CPF Adjustment Calculations		
	CPF Lot 1 = 1.03 = + 0.03% 17,541 SY		
	CPF Lot 2 = 0.98 = - 0.02% 3,780 SY		
	CPF Lot 3 = 0.99 = - 0.01% 1,659 SY		
	Unit Price = \$ 50.35		
	Lot CPF Unit Price Adjusted Unit Price		
	1 0.03 \$ 50.35/SY + \$ 1.51*		*Round to two decimal points for Dollar Amount
	2 -0.02 \$ 50.35/SY - \$ 1.01		
	3 -0.01 \$ 50.35/SY - \$ 0.50		
	Total Line Item Adjustments in SiteManager:		
	CPF 1.03 = +\$ 1.51/SY X 17,541 SY = + \$26,486.91		
	CPF 0.98 = - \$ 1.01/SY X 3,780 SY = - \$ 3,817.80		
	CPF 0.99 = - \$ 0.50/SY X 1,659 SY = - \$ 814.50		

Example of CPF backup calculation within the 'Final Backup' tab of the Excel CADD file.

ATTACHMENT 5-13-2A PLAN SUMMARY BOX AND BACKUP DOCUMENTATION EXAMPLE

SUMMARY OF CURB & GUTTER AND/OR TRAFFIC SEPARATORS															
PAY ITEM NO.	PAY ITEM DESCRIPTION	LOCATION			SIDE	AREA ID	UNIT	QUANTITY				TOTAL		DESIGN NOTES	CONSTRUCTION REMARKS
		STA. TO STA.		GROSS LENGTH				DEDUCTIONS		NET LENGTH		P	F		
		START	END					TYPE	LENGTH	P	F				
0530 1 7	CONCRETE CURB & GUTTER TYPE F	436+26.89	436+26.89 to 436+27.22	LT		LF	131.7			131.7	141.7	063	073		Plan Error: one backup documentation & plan Quantity Analysis 65453
		465+06.43 to 465+48.14	LT				134.9			134.9	✓				
		493+76.01 to 494+15.18	LT				130.1			130.1	✓				
		518+97.00 to 520+22.96	LT				303.4			303.4	✓				
		556+13.32 to 556+52.73	LT				129.7			129.7	✓				
		578+55.13 to 578+95.88	LT				133.3			133.3	✓				

The plan summary box shown is within the Final As-Built plans file. The plan error is shown in red font and the backup calculation are referenced using an EDMS number. See the next sheet for a backup documentation example.

ATTACHMENT 5-13-2B

PLAN SUMMARY BOX BACKUP DOCUMENTATION EXAMPLE

STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION
FINAL MEASUREMENTS "MISCELLANEOUS"

700-050-61
CONSTRUCTION
12/07
Page No. 1 of 1

<p>Date: 12/29/2015</p> <p>Pay item #: 520-17 CONCRETE CURB AND GUTTER, TYPE E</p> <p>Plan ERROR; STA.436+36.88 SHOULD HAVE BEEN 436+26.88</p> <p>Gross Length PQ from STA 436+36.88 to 436+77.27 =131.7 LF</p> <p>Plan Error from STA 436+26.88 to 436+77.27 = 141.7 LF</p> <p>Added additional of 10 LF</p> <p>Unit Price = \$ 14.00 per LF</p> <p>Total PQ = 963 LF</p> <p>Plan Quantity Analysis:</p> <hr/> <p>10 LF X \$ 14.00 = \$ 140.00 < \$ 5,000</p> <p>(10 ÷ 963) 100 = 1.03% < 5% both scenarios do not qualify to change PQ.</p> <p>Therefore Pay PQ of 963 LF</p> <p style="text-align: right;">65453</p>

ATTACHMENT 5-13-3A PLAN SUMMARY BOX FOR A LUMP SUM PROJECT

SUMMARY OF SIDEWALK												
LOCATION STA. TO STA.	SIDE	AREA ID	LENGTH	WIDTH	CONC SIDEWALK 4"		CONC SIDEWALK 6"		DEFECTABLE WARNINGS		DESIGN NOTES	CONSTRUCTION REMARKS
					0522 1		0522 2		0527 2			
					SY		SY		SF			
		P	F	P	F	P	F					
419+28.59 to 419+33.63	LT	26675								9.9	✓	
422+73.57 to 422+83.04	RT	31077								21.0	✓	
423+18.74 to 423+30.78	RT	31082								24.1	✓	
429+65.05 to 429+70.88	LT	26678								10.6	✓	
430+19.20 to 430+26.44	LT	26679								13.5	✓	
435+06.64 to 435+08.65	LT	31163								8.1	✓	
436+01.16 to 436+05.41	RT	26685								9.4	✓	
436+05.77 to 436+14.92	LT	31162								25.2	✓	
436+08.65 to 436+13.65	LT	31165								10.0	✓	
436+13.66 to 436+18.04	RT	26686								10.1	✓	
436+61.18 to 436+77.77	LT	26683								38.6	✓	
436+64.53 to 436+76.29	RT	26687								26.1	✓	
417+29.56 to 417+34.86	LT					4.5						ROADWAY PLANS, SHEET 8
418+75.92 to 418+81.82	LT					1.0						ROADWAY PLANS, SHEET 8
419+32.12 to 419+38.12	LT					1.0						ROADWAY PLANS, SHEET 8
430+40.84 to 430+57.73	LT					0.5						ROADWAY PLANS, SHEET 10
SUB-TOTAL:												
TOTAL:												

Reference back up documentation EDMS numbers in Construction Remarks columns.

SUMMARY OF EARTHWORK						
PAY ITEM NO.	PAY ITEM DESCRIPTION	CY		DESIGN NOTES	CONSTRUCTION REMARKS	
		P	F			
0120 1	REGULAR EXCAVATION SR 600	1668.00			See EDMS # 1165422, pages 8 and 18. See plan sheet 27A for details on SQ-6A, Plan Quantity Analysis.	
	TOTAL:	1668.00	1830.00			
0120 5	CHANNEL EXCAVATION LAKE PARKER DRAINAGE SADDLE CREEK	507.00	864.00		EDMS # 1169176 for Lake Parker Drainage, and EDMS # 1169178 for Saddle Creek.	
	TOTAL:	1587.00	1833.00			
0120 6	EMBANKMENT SR 600	3178.00			See EDMS # 1165422, pages 8 and 18. See plan sheets 27A and 27B for details on SQ-6B. Plan Quantity Analysis.	
	STA. 1231+99.10 to STA. 1232+48.38 (RT./LT.) BOX CULVERT	3364.00				
	STA. 1233+01.38 to STA. 1233+42.44 (RT./LT.) BOX CULVERT	2699.00				
	TOTAL:	9241.00	9381.00			

Use a red checkmark to indicate quantities are unchanged. Use an arrow to indicate a range of unchanged quantities.

SUMMARY OF PERFORMANCE TURF-SOD								
LOCATION	SIDE	P			F			FIELD BOOK REFERENCE
CHAIN		L	W	SY	L	W	SY	
△	∅ CONST.-SR 10			119647.9				✓
	DEMPSEY MAYO RD.			801.3				
	CHURCH DRIVEWAY			158.1				
	TAYLOR RD.			205.3				
	HIGHLAND DR.			219.1				
	EDEFIELD RD.			1093.5				
	PEDRICK RD.			2146.5				
	CHAMPAGNE DR.			585.5				
	VINEYARD WAY			167.2				
	ARENDELL WAY			139.1				
	WINERY WAY			159.6				
	THORNTON RD.			428.8				
△	POND 1			37768.7				
△	DRAINAGE STRUCTURES			550.0				
△	SUB TOTAL:			164070.6				✓
	TEMP. EROSION CONTROL			12604.7				✓
△	TOTAL:			176676				✓

For lump sum projects, the tracking of pay item quantities is not required. However, it is good practice to insert a red check mark within the ~~summary boxes~~ **Plan Summary Boxes** as the work is completed.

ATTACHMENT 5-13-2 Estimated Quantities Report

Example EQR Cover Sheet:

ESTIMATED QUANTITIES REPORT

Financial Project ID: [REDACTED]
Contract Number: [REDACTED]
Project Description: [REDACTED]

This document has been digitally signed and sealed by:



STATE OF
FLORIDA
PROFESSIONAL ENGINEER

on the date adjacent to the seal.

Printed copies of this document are not considered signed and sealed and the signature must be verified on any electronic copies.

[REDACTED]

The estimated quantities contained in this document:

- 1. Were developed in compliance with Florida Department of Transportation procedures, processes, and requirements.*
- 2. Contain no known errors or omissions.*
- 3. Match the pay item numbers and quantities in Designer Interface for AASHTOWare Project Preconstruction™.*

11/18/2020 3:53:59 PM Page 1 of 54

Example EQR Table:

Summary of Pavement														
Pay Item Number	Pay Item Description	Units of Measure	Quantity		Total Quantity		Location						Design Notes	Construction Remarks
			P	F	P	F	Alignment	Begin Station	End Station	Location Description	Side	Element ID		
			437.86				BROADWAY							
							CL-BROADWAY	498+67.90	502+45.05			LT/RT	244540	
0337 7 82	Asphalt Concrete Friction Course, Traffic C, FC-9.5, PG 76-22	TN	48.71		707.19		SR972	207+21.07	210+40.49			RT	228781	
			20.39				SR972	207+21.07	209+37.04			RT	228418	
			14.7				SR972	207+21.07	210+40.49			RT	228816	
			101.39				SR972	207+21.07	210+40.49			RT	228612	
			12.84				SR972	208+18.04	210+40.49			RT	228811	
			47.46				SR972	208+99.08	210+40.49			LT	228607	
			22.26				SR972	208+99.08	210+40.49			LT	228776	
			4.94				SR972	210+11.11	210+40.49			RT	228854	
			0.03				SR972	210+38.33	210+40.49			RT	228358	
			0.06				SR972	210+38.33	210+40.49			RT	228348	
			30.03				CL-BROADWAY	495+16.15	495+97.56			LT/RT	287738	
			35.68				CL-BROADWAY	495+97.55	498+67.90			RT	291808	
			27				CL-BROADWAY	495+97.55	498+67.90			LT	291803	
			74.16				CL-BROADWAY	495+97.55	498+67.90			RT	291633	
			57.37				CL-BROADWAY	495+97.55	498+67.90			LT	291628	
			210.17				CL-BROADWAY	498+67.90	502+45.05			LT/RT	244534	
0350 30 13	Concrete Pavement For Roundabout Apron, 12 Depth	SY	245.54		245.54		CL-BROADWAY	499+63.98	500+47.29			RT	216161	
0526 1 1	Pavers, Architectural, Roadway	SY	245.54		245.54		CL-BROADWAY	499+63.98	500+47.29			RT	216161	
...														
...														
...														

ATTACHMENT 5-13-3
Form 700-050-10, Pay Item Summary and Certification

Example EDMS References:

STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION PAY ITEM SUMMARY AND CERTIFICATION SHEET									
<u>Contract Details</u>									
Contract:	District:								
Quantity	Unit	Item Code	SA #	Item Description	EDMS Doc /Page #	Unit Price	Item Paid Amount	Line Item Adjustment Amount	Total Item Paid Amount
816.000	SY	0110 4 10		REMOVAL OF EXISTING CONCRETE	EDMS# 1471926	\$44.0000	\$35,904.00	\$0.00	\$35,904.00
793.000	SY	0522 1		CONCRETE SIDEWALK AND DRIVEWAYS, 4" THICK	EDMS# 1472699	\$60.0000	\$47,580.00	\$0.00	\$47,580.00
78.000	SY	0522 2		CONCRETE SIDEWALK AND DRIVEWAYS, 6" THICK	↓	\$90.0000	\$7,020.00	\$0.00	\$7,020.00
591.000	LF	0630 2 11		CONDUIT, FURNISH & INSTALL, OPEN TRENCH	EDMS# 1471857	\$19.5000	\$11,524.50	\$0.00	\$11,524.50
24,548.500	LF	0630 2 12		CONDUIT, FURNISH & INSTALL, DIRECTIONAL BORE	EDMS# 1471858	\$18.6000	\$456,602.10	\$0.00	\$456,602.10
64.000	LF	0630 2 14		CONDUIT, FURNISH & INSTALL, ABOVEGROUND	EDMS# 1471861	\$36.0000	\$2,304.00	\$0.00	\$2,304.00
282.000	LF	0630 2 15		CONDUIT, FURNISH & INSTALL, BRIDGE MOUNT	EDMS# 1471859	\$23.0000	\$6,486.00	\$0.00	\$6,486.00
160.000	LF	0630 2 65		CONDUIT, REMOVE, BRIDGE MOUNT	EDMS# 1471860	\$11.5000	\$1,840.00	\$0.00	\$1,840.00
6,100.000	LF	0633 1121		FIBER OPTIC CABLE, F&I, UNDERGROUND, 2-12 FIBERS	EDMS# 1471927	\$2.4000	\$14,640.00	\$0.00	\$14,640.00

* Highlighted rows signify adjustments.

Report: PayItemSummaryAndCertification

Example Signatures:

DFEO USE ONLY		Certification Statement	
Par Reviews		(This block shall be signed by the qualified person(s) responsible for the accuracy of the Final Estimates Package, as submitted, in accordance with CPAM 5.11.)	
I certify, based on my personal knowledge and well-founded belief, the quantities are accurate and conform to the contract plan dimensions and specification tolerances, manuals and that this final estimate, as submitted is true and correct.			
Signature: <u>ali rastagh</u>	Digitally signed by ali rastagh Date: 2021.06.04 08:20:33 -04'00'	Title: <u>Contract Support Specialist</u>	Signature: _____
Date: _____		And/Or TIN# <u>XXXXXXXXXX</u>	Digitally signed Date: 2021.03.29 12:06:41 -04'00'
	Digitally signed Date: 2021.03.29 14:15:32 -04'00'	Title: _____	Signature: _____
Project Administrator Signed: _____		Resident Engineer Signed: _____	Digitally signed Date: 2021.03.29 14:23:01 -04'00'
Printed: _____		Printed: _____	

~~Any field changes should be noted in red.~~