

Contract Update Training

October 2012

Road Map

- ▶ DCE Remarks
- ▶ Materials Issues
- ▶ Final Estimates
 - Break

21st Century Plan

- ▶ **Outsource Construction Inspection**
 - 7 Inspectors successfully placed
- ▶ **Threshold for mandatory DOT Project Administration**
 - Threshold likely to drop from \$10M
 - Residents still looking to add staff
 - PAs & Office Technicians
 - Statewide PA salary analysis and PD evaluation

Business Plans – What's important to us?

- ▶ Safety
 - Employee Safety
 - Work Zone Safety
- ▶ Performance Measures...*some of them*
 - Cost & Time...watch those small projects (200 & \$2M)
 - Work Orders...follow the process & meet expectations
 - DBE Performance...acknowledge low and high
- ▶ Relationships with Contractor
 - Partnering Survey
 - Future Workshops for project staff
- ▶ Internal Customer Service...*it's survey time again*

Materials Issues

- ▶ GPS for DDMMs
 - What?

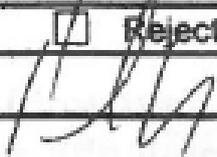
STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION
DISPOSITION OF DEFECTIVE MATERIAL

700-011-01
 CONSTRUCTION
 02/12

Section A: Sample Information and Request for EAR – Project Administrator

Financial Project No.: 413072-1-52-01		Contract No.: E5R02	
Federal Job No.: 0951 638 1			
Material ID.: 123L	Sample No.: 2D012Q	LIMS Sample ID.: 1200081785	
Pay Item No.: 334 1 24	Quantity: 493.77 TNS	Location: (GPS, Lane, Station) From N 27.88115 W 080.59123, R 2, sta 1253+47 To N 27.89377 W 080.59411, R 2, sta 1308+00. Note: GPS readings taken from OR shoulder	
Description of Defective Material: Low air voids (2.05)			
<input type="checkbox"/> EAR Scope attached			

Section B: Proposal - Project Administrator/Resident Engineer

<input type="checkbox"/> Remove and Replace Material	<input type="checkbox"/> Follow up Sample Passed (MM 3.1)
<input checked="" type="checkbox"/> Send to DME for Concurrence with following Proposal, (EAR Scope attached)	
<input type="checkbox"/> Concurs w/ EAR	<input type="checkbox"/> Rejects (See Comments Below) <input type="checkbox"/> Leave in Place, EAR not required
Signature (PA): 	Date: 7/3/12
Comments:	

Materials Issues

- ▶ GPS for DDMs
 - What?
 - Why?

 - ▶ Remove & Replace vs. EAR
 - Consult your Resident Engineer
 - Consult Engineering staff in Materials Office
 - Review & Approve EAR Scopes
- 

Questions?



Final Estimates Update Outline (10/2012)

NOTES

- Contract Time
 - Lessons learned
 - Holiday time flow-chart and required documentation per CPAM(7.2.4.2)

- Documentation
 - PQ items
 - Final Measure (Mowing and Litter removal)
 - Certified Quantity (MOT)
 - Compbook
 - DDM's
 - ADHOC
 - As-built plans

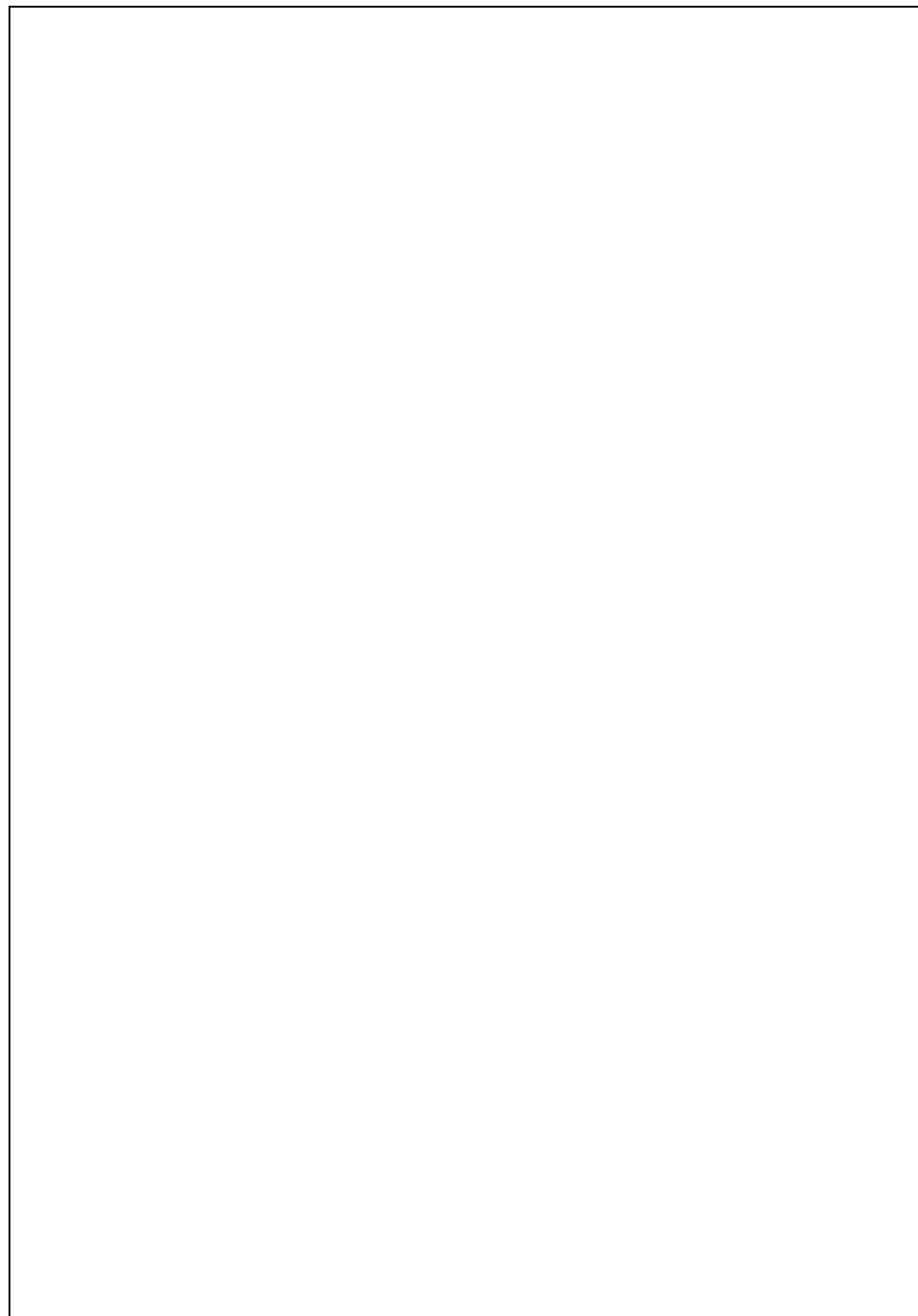
- Earthwork
 - Lessons learned
 - District Contacts for Multiline- Tonii and Valerie
 - Intention of cross-section waiver

- Optional Base

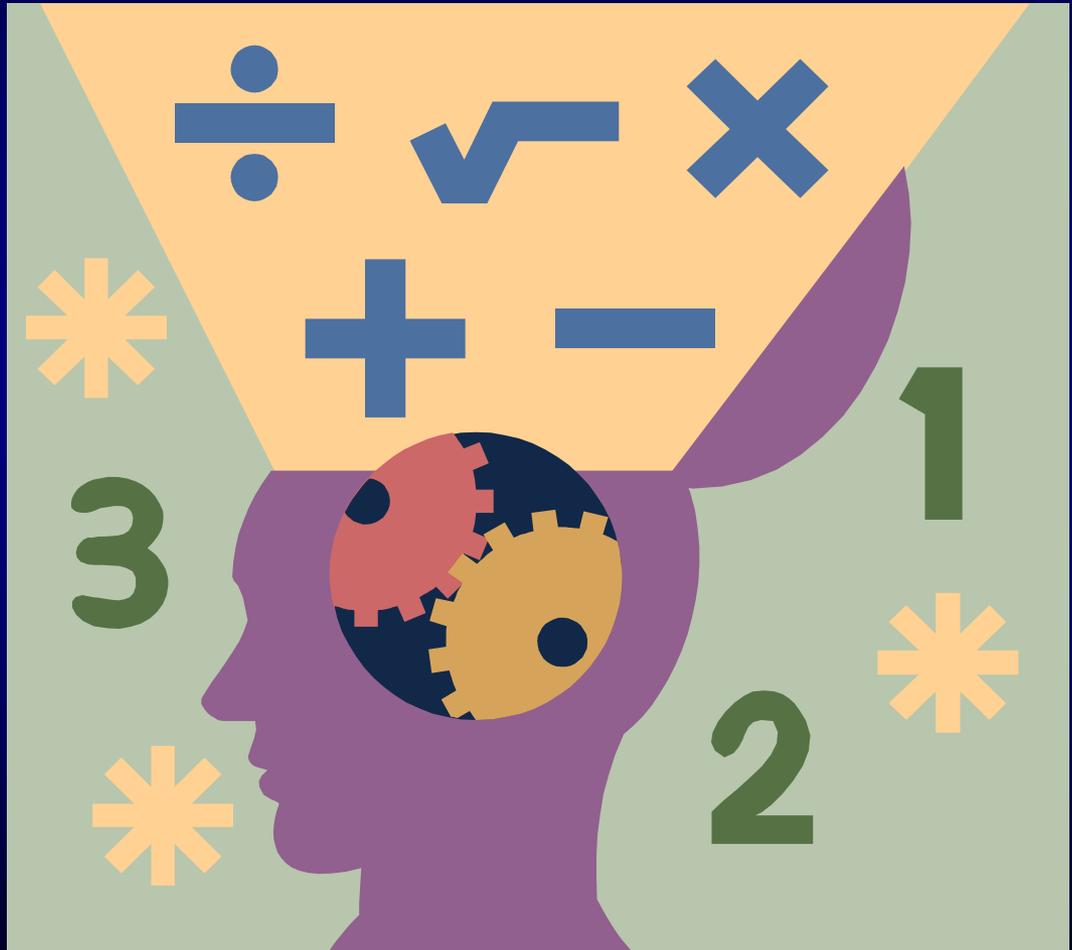
- Asphalt
 - Lessons learned
 - Spec 330-9/330-6
 - PROABS upload fix

- Bridge
 - Lessons learned
 - Update to pile books

- New Specifications
 - Additional Specs that have changed



District Five Final Estimates Meeting 2012





**Valerie Coe,
District Five Final Estimates Manager
(386) 943-5414
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Contract Time



Contract Time



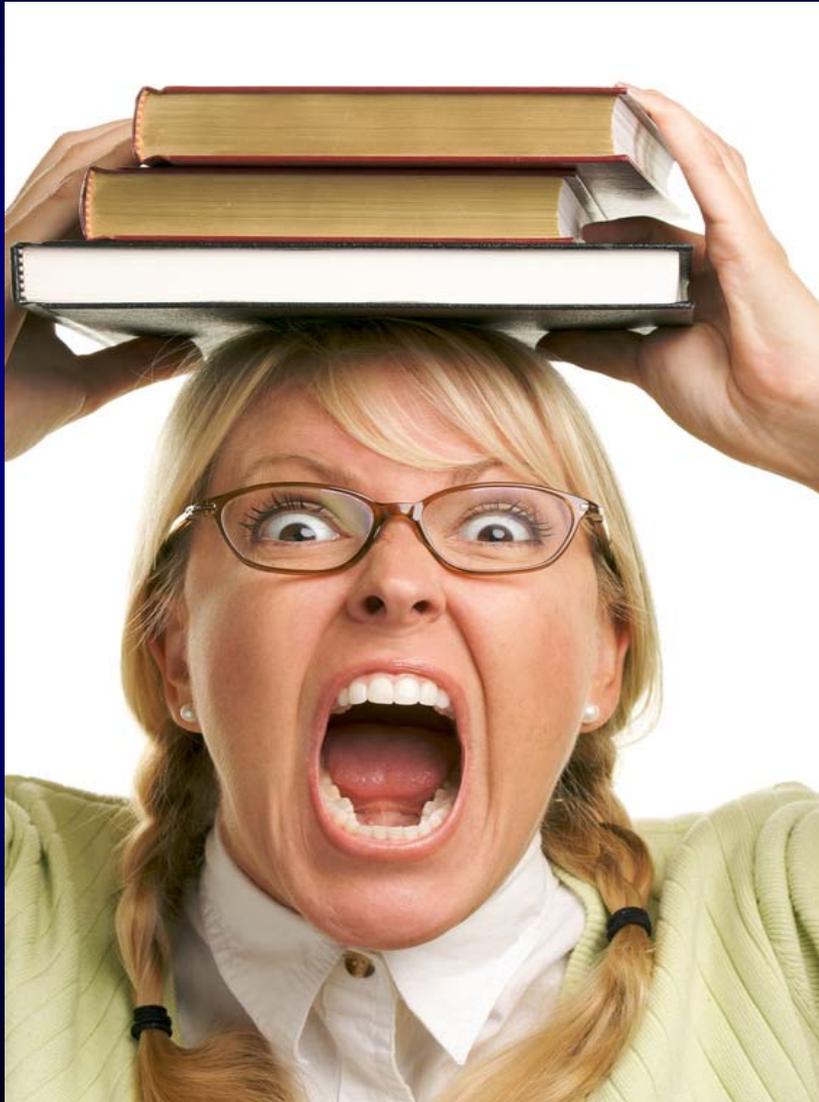
- **Ensure that the proper Daily amount is being assessed for the Liquidated Damages Memo.**
- **Cannot hold final acceptance for Maintenance inspections.**

Contract Time



- Ensure that Holiday time is being granted per the specifications. flow chart
- Key dates need to be entered into Site manager on bonus or incentive/ Disincentive contracts per Prep and Docs manual Chapter 11.

Work Item Documentation



- **Plan Quantity items**
- **Final Measure**
- **Certified MOT**
- **Computation book**
- **As-built plans**

Plan Quantity Items



- In accordance with 9-3.2.1 and CPAM, ONLY the areas that are authorized changes and/or plan errors are to be measured for Plan Quantity pay items.
- Site source field measurements are to be recorded on DOT approved forms or programs per Prep & Doc Manual Chapter 6. (6.2.1 G)

- [Overbuild Spread Sheet and Calculator For Lump Sum](#)
- [How to Sort the QC Roadway Report](#)
- Certifications
 - [Consultant CEI Certified Final Estimates](#)
 - [Monthly & Final Certifications](#)
 - [Project Administrator Required Checks On CQC Paperwork](#)
- Computation Book - with required documentation and applicable signatures.
- Computer Programs for Field Measurements
 - **Computer Forms**
- Required Documents for Final Estimates Submittal
 - [Contract Time Folder](#) (form 700-050-31)
 - [Project Administration Contract Time Summary \(Pages 2 & 3\)](#)
 - [Contract Time File Label](#)
 - [Verification of Contract Time](#)
 - [Final Plans & Estimate Transmittal](#) (form 700-050-20)

Final Measure: Mowing and Litter Removal



- **Per the Basis of Estimates, these items are not Plan Quantity. But there are additional Comments.**
- **Payment will be based on the area calculated by the Engineer, per litter removal or mowing cycle.**

Final Measure: Mowing and Litter Removal



*PQ Additional comments: If the contractor changes phasing, the CEI will still base the payment for that mowing and litter removal cycle by determining the “actual area completed and accepted...determined by calculation using the lengths and widths based on the station to station dimensions shown in the plans.” This means that the CEI will figure the area the contractor mowed (or is supposed to mow) by measurements on the plans...i.e., the approximate width mowed on each side times the length, less any areas deducted by engineer (areas not mowed). While this is a final calculation determination of pay area, per 9-1.3, the dimensions should be determined from the plans, rather than field measured, per the 107 spec.

If the number of cycles changes (due to wet or dry weather conditions, grass height, or other), payment will be made for the actual area and number of cycles completed.

Certified Items: MOT Certifications



- **When a contract is in liquidated damages add a note to the MOT certification for the last allowable contract day.**
- **For barrier wall, check MOT certifications to verify that the length of barrier wall is divisible by the nominal length of each wall section.**

Computation Books



- **A comp book page needs to be added for any pay items added by an SA.**
- **Ensure all deletions, deductions, and additions of quantities made to existing pay items by an SA have been properly applied and shown in the comp book.**
- **Provide an explanation for plan errors and/or changes on a plan quantity item in the compbook.**



- **A DDM is not complete until Section G has been filled in. This is to be done prior to scanning in Hummingbird.**



ADHOC

Non- Default View of FE computation book sheet will sort line item adjustments by type instead of by the estimate they are paid. This is especially helpful when you are ensuring that your line items cancel each other out.

As-Built Plans



- **Ensure that all changes are signed, sealed, and shown on the Key sheet by EOR or Field personnel.**
- **Ensure all field changes are shown on the final as-built plans.**
- **If revision to Earthwork, make sure that cross section sheets corresponding to the change are reflected**



**Please Send Cross-Section Waivers to
Valerie Coe for Approval**

Valerie.Coe@dot.state.fl.us

Earthwork



- **Check earthwork quantities prior to the start of the project. It is a plan error if the EOR includes a variability adjustment or if the quantity for subsoil is not included in embankment.**
- **Ensure bench run is from the first to the last bench mark without adjusting the HI's or correcting up for any differences at individual bench marks.**
- **All bench runs are to be checked to ensure they are within third order accuracy per the Prep & Doc Chapter 8.**

Earthwork Cont.



- **Ensure that all survey rod readings are complete and no readings are missing.**
- **When the contract has Borrow Excavation (Truck Measure), The PA is to request a list of trucks that will be used on the project along with their assigned number and certified capacity. Per Prep & Doc Chapter 6 Section 6.3.1(E)**

Earthwork Cont.



- **All TBM's established during subsoil excavation must be proven and meet the third order accuracy.**
- **Ensure the correct MultiLine template is being used for the type of subsoil being excavated.**

Earthwork Cont.



Multiline: A new form of the application is in development. Because of this, there will be no new classes offered for Multiline as it exists now. Stay Tuned for this change.

For now the D5 multiline contracts are:

Valerie Coe,
District Five Final Estimates
Manager

(386) 943-5414

Valerie.Coe@dot.state.fl.us

Tonii Brush,
District Five Final Estimates
Support Specialist

(386) 943-5348

tonii.brush@dot.state.fl.us

Optional Base



- **Ensure that there is not an overlap of documentation when both limerock and asphalt are used in different areas for base and the proper adjustments applied.**
- **When there are changes made to the base, such as group, type, or the deletion of an area of base, ensure these changes are documented correctly on the Limerock Core Sheets, Roadway Reports, As-Built Plans, etc.**

Optional Base Cont.



- **Asphalt base requires a spread rate adjustment and CPF adjustment.**
- **Thickness adjustments are to be made no later than the following month's progress estimate from the time of completion of the base.**

Asphalt





- **Structural Course is now held to the 105% max for pay (Spec 334-7). (May 2009 FE training- slide 95)**
- **Roadway Reports:**
 - **Groups, types, lifts, and thicknesses reported correctly**
 - **Overbuild to be reported separately from the structural**
 - **Verify the density column is correctly noted with a Y or N or left blank (bike lanes and Shared Use Paths).**

Asphalt Cont.



- **Ticket Books:**
 - **Ticket pad covers have the correct information and reflect the usage**
 - **All the tickets are for the same design mix in each pad.**
 - **Number of loads match the amount of tickets.**
- **Payment of asphalt used to restore areas for pipe crossings are included in the cost of the pipe and should be reported as no pay tonnage.**

Asphalt Cont.



- **On multi-fin projects, if the contractor chooses to keep separate records for each project then the certifications will also have to be documented separately for each project.**
- **On multi-fin projects, if the contractor is recording and certifying all the Asphalt on the lead project, the quantities for asphalt base, structural, friction, and misc. will have to be prorated along with the CPF and bituminous adjustments for those items.**

Asphalt Cont.



- **On the asphalt certification ensure the contractor has recorded the tonnage for asphalt with polymer correctly on the asphalt certification.**
- **Asphalt Concrete Pay Reduction Sheet (Form 700-050-71) use for defective material, out of spec tolerance material, or constructed product to be left in place at full or partial Pay:**
 - **Needs to be completed with all concurrences**
 - **Use Plan Lane width for calculation (Spec 330-12.5.2)**

Asphalt Cont.



- Ensure the spread rate for miscellaneous asphalt is calculated using 100 lbs/sy per one inch and is limited to a maximum of 105% of the plan thickness (per Specification 339).

House keeping for Asphalt Items



Pavement Roadway As-built Data



Pavement Roadway As-built Data:

- **Upload fixed!**
- **Update on requirements for Final As-built Plans. PROABS are no longer required to be indexed and inserted into the Final As-built plan set. See Prep and Docs Chapter 4.**

330-9.2.2 Thickness and Spread Rate of Layers



330-9.2.2 Thickness and Spread Rate of Layers: Construct each course of Type SP mixtures in layers of the thickness shown in Section 334.

When the deficiency of the average spread rate for the total course pavement thickness measured in accordance with 330-2.2 exceeds the following maximum spread rate tolerance, address the deficient area in accordance with 330-12.5.

1. Structural Course (non-friction)

- a. For pavement of a design thickness of 2-1/2 inches or more: plus or minus 50 lbs per sy.
- b. For pavement of a design thickness of less than 2-1/2 inches: plus or minus 25 lbs per sy.

2. Friction course

- a. For open grade friction course: plus or minus 15 lbs per sy.
- b. For dense grade friction course: plus or minus 25 lbs per sy.

As an exception, the Engineer may allow the Contractor to leave areas in place if it is determined by the Engineer that the deficiency is not a significant detriment to the pavement quality. A reduction to the pay item quantity will be made in accordance with 330-12.5.2.

330-9.2.2 Thickness and Spread Rate of Layers:



334-1.4.1 Layer Thicknesses - Fine Mixes: The allowable layer thicknesses for fine Type SP Asphalt Concrete mixtures are as follows:

Type SP-9.5.....	1 - 1 1/2 inches
Type SP-12.5.....	1 1/2 - 2 1/2 inches
Type SP-19.0.....	2 - 3 inches

In addition to the minimum and maximum thickness requirements, the following restrictions are placed on fine mixes when used as a structural course:

Type SP-9.5 - Limited to the top two structural layers, two layers maximum.

Type SP-9.5 – May not be used on Traffic Level D and E applications.

Type SP-19.0 - May not be used in the final (top) structural layer.

334-1.4.2 Layer Thicknesses - Coarse Mixes: The allowable layer thicknesses for coarse Type SP Asphalt Concrete mixtures are as follows:

Type SP-9.5.....	1 1/2 - 2 inches
Type SP-12.5.....	2 - 3 inches
Type SP-19.0.....	3 - 3 1/2 inches

In addition to the minimum and maximum thickness requirements, the following restrictions are placed on coarse mixes when used as a structural course:

Type SP-19.0 - May not be used in the final (top) structural layer.

330-9.2.2 Thickness and Spread Rate of Layers:



So what does this all mean you should do?

- **look at each line of the road report for any line that is out of tolerance per the 25 lbs or 50 lbs**
- **For the deficient area locate additional lifts and look to see if the total course spread rate for that area is within the 25 lbs or 50 lb tolerance**
- **If outside the tolerance, then you will have the shy or plus area to isolate for correction or pay reduction per spec 330-12.5**

330-9.2.2 Thickness and Spread Rate of Layers:



Thickness	Lift	Actual Spread	Target	Target Plus 25 Lbs.	Target Minus 25 Lbs.	Start Paving at Station	End Paving at Station	50' Each Side	Length (Ft.)	Width (Ft.)	Tons Deducted
1.5"	1	132.79	165	190	140	1336+98.00	1340+80.00	100	482.00	11.0	48.54
1.5"	2	144.80	165	190	140	1335+50.00	1344+88.00	100	1,038.00	11.0	N/A
3.0"		277.59	330	380	280	1336+98.00	1340+80.00	100	482.00	11.0	48.54

Gmm 2.543

- The overall Spread Rate for the total course is out of tolerance.
- The Engineer now has the option to Remove and Replace the deficient area to achieve the target thickness or a reduction to the pay item can be made (330-12.5.2)

330-9.2.2 Thickness and Spread Rate of Layers:



If the Engineer Determines that the material can be left in place:

- **Material to be left in place should be handled the same as a straightedge would. You can follow the same flow chart for concurrences using the Asphaltic Pay Reduction Sheet (form 700-050-71).**

330-9.2.2 Thickness and Spread Rate of Layers:



***ANY
QUESTIONS?***



Bridges



Bridges



- Pile Driving Book Update:
 - Bound pile books are not longer available. They are now out on the Forms Library (form #700-010-60).
 - The records are to be placed in a 3 ringed binder and the cover labeled in the same manner as the bound pile records. Refer to the Prep & Doc Manual Chapter 6 and the Review and Administration Manual Chapter 11.

Bridges Cont.



- Ensure piling records have clear and complete notes.
 - Show time and date for set checks
 - Time and date PDA was applied
 - Note the date and time driving was stopped and Duration, etc.
- Use the appropriate pile record sheets or a field book to record survey data.
- Mark Pile books with a red "P" for permanent record.

Bridges Cont.



- Steel Piles: Pay the Furnished length (delivered amount) up to the Authorized length. (Review and Admin Manual chapter 11.6 C-17)

New Specifications For January, July 2012 & January 2013



New Specifications July 2012 & January 2013 For Lump Sum



SUBARTICLE 9-2.2.6 (of the Special Provisions) the following substituted:

9-2.2.6 Adjustment to the Lump Sum Payment for Deleted Items of Work:

When items of work are shown in the Contract Documents to be constructed or installed and due to actual field conditions, it is determined by the Engineer that the items are not needed, a negative adjustment to the Contract will be made. The negative adjustment will be based on the actual cost of the items being deleted less all costs incurred prior to the date the Engineer determined the items are not needed and the Contractor will retain ownership. The negative adjustment will be processed in accordance with 4-3.2.

New Specifications July 2012 & January 2013 For Streamline Lump Sum



MEASUREMENT AND PAYMENT.

(REV **10-26-11**)

ARTICLE 9-11 (of the Supplemental Specifications) is deleted and the following substituted:

9-11 Submittals.

9-11.1 Submittal Instructions: The Contractor will prepare and certify a monthly invoice for each project in the Contract. Submit the invoice to the Engineer. The Engineer will not pay for any item of work until the invoice is approved.

~~9-11.2 Schedule of Values: Within 21 calendar days after contract award or at the preconstruction conference, whichever is earlier, prepare and submit a schedule of values to the Engineer for approval prior to invoicing. Assign the schedule of values to the scheduled work activities in the project schedule with the total being the lump sum contract amount.~~

~~The schedule of values will be the basis for determining monthly payments. Quantities will be compared with the project schedule to determine the percentage earned. The percentage shall be that portion of the work completed as compared to the total work contracted.~~

New Specifications July 2012 & January 2013 For All Jobs



DEFINITIONS AND TERMS – DEFINITIONS.

ARTICLE 1-3 (Pages 1-9). The definition for Special Events is added.

Special Event.

Any event, including but not limited to, a festival, fair, run or race, motorcade, parade, civic activity, cultural activity, charity or fund drive, sporting event, or similar activity designated in the Contract Documents.

The following are other articles that have been redefined:

Contract Documents

Contractor's Engineer of Record

Unilateral Payment

Work Order

New Specifications July 2012 & January 2013 For All Jobs



008 PROSECUTION AND PROGRESS.

(REV 5-9-11) (FA 8-16-11) (1-12)

8-6.4 Suspension of Contractor's Operations - Holidays and Special Events:

The following has been added to this specification:

.....; Independence Day; **Independence Day (Observed)**; Labor Day; the Friday, Saturday, and Sunday immediately preceding Labor Day; Veterans Day; **Veterans Day (Observed)**; **the Wednesday immediately preceding Thanksgiving Day**; Thanksgiving Day; the Friday, Saturday and Sunday immediately following Thanksgiving Day; December 24 through January 2, inclusive; **and Special Events noted in the Plans**. Contract Time will be charged during these Holiday and Special Event periods. Contract time

New Specifications July 2012 & January 2013 For All Jobs



(7/12) MEASUREMENT AND PAYMENT.

(REV 8-5-11)

SUBARTICLE 9-2.1.2 (Pages 97 and 98) is deleted and the following substituted:

9-2.1.2 Bituminous Material: Prepare a Contractor's Certification of

Quantities, using the Department's.....

For asphalt concrete items payable by the ton *or square yard*, the number of gallons will be determined assuming a mix design with 6.25% liquid asphalt weighing 8.58 lb/gal.

~~Asphalt concrete items payable by the square yard will be converted to equivalent tons assuming a weight of 100 lb/yd² per inch.~~

New Specifications July 2012 & January 2013 For All Jobs



SUPERPAVE ASPHALT CONCRETE. (REV 1-17-12)

334-5.9.5 Defective Material: Assume responsibility.....

If the defective material is due to a gradation, asphalt binder content or density failure, upon approval of the Engineer the Contractor may perform delineation tests on roadway cores in lieu of an engineering analysis to determine the limits of the defective material that *may* require removal and replacement. Prior to any delineation testing, all sampling locations shall be approved by the Engineer. All delineation sampling and testing shall be monitored and verified by the Engineer. ~~The minimum limit of removal of defective material is fifty feet either side of the failed sample.~~ For materials that are defective due to air voids, an engineering analysis is required.

New Specifications July 2012 & January 2013 For All Jobs



(1-13) MAINTENANCE OF TRAFFIC.

(REV 4-2-12) (7-12)

SUBARTICLE 102-11.4 (Page 120) is deleted and the following substituted:

102-11.4 Commercial Material for Driveway

Maintenance: The quantity to be paid for will be the certified volume, in cubic yards, of all materials authorized by the Engineer, acceptably placed and maintained for driveway maintenance. The volume, which is authorized to be reused, and which is acceptably salvaged, placed, and maintained in other designated driveways will be included again for payment.

New Specifications July 2012 & January 2013 For All Jobs



(7/12) GUARDRAIL. (REV *2-22-12*)

ARTICLE 536-6 (Page 675) is deleted and the following substituted:

536-6 Method of Measurement.

536-6.1 Guardrail: The quantity to be paid for will be the plan quantity, in feet, constructed, in place and accepted.

The plan length of a run of guardrail will be ~~determined as a multiple of the nominal panel lengths plus the nominal lengths of terminal the end~~ *the end to end measurement including panels (Thrie-Beam, Nested, and W-Thrie Beam Transition Panels) directly associated with anchorage assemblies and guardrail transitions* sections, ~~unless payment for the terminal sections are included in the end anchorage or bridge anchorage assemblies.~~

536-6.5 ~~Guardrail~~ *Concrete Barrier Wall* Anchorage *Assembly* (~~Concrete Barrier Wall~~): The quantity to be paid for will be the number of each, constructed, in place and accepted.

536-6.6 Guardrail Post Replacement: The quantity to be paid for will be the number of each, replaced.

536-6.7 Removal of Existing Guardrail: The quantity to be paid for will be the length, in feet, measured prior to removal.

~~536-6.8 Special Steel Guardrail Posts: The quantity to be paid for will be the number of each, constructed, in place and accepted.~~

536-6.98 Other Rail:

536-6.98.1 Rub Rail: The quantity to be paid for will be the plan quantity, in feet, constructed, in place and accepted.

536-6.98.2 Pipe Rail: The quantity to be paid for will be the plan quantity, in feet, constructed, in place and accepted.

New Specifications July 2012 & January 2013 For All Jobs



(7/12) HIGHWAY LIGHTING SYSTEM.

(REV 1-18-12)

SECTION 715 (Pages 808 to 813) is deleted and the following substituted:

SECTION 715 HIGHWAY LIGHTING SYSTEM

715-16 Method of Measurement.

The quantities to be paid for will be as follows, completed and accepted:

- (a) Conduit: ~~The length, in feet, including elbows, sweeps,~~ *The Contract unit price per foot of conduit, furnished and installed, will include furnishing all connecting hardware, trenching and backfill as indicated in the plans and the Design Standards, and the cost of restoring cut pavement, sidewalks, sod, and etc., to its original condition. The length will be based on the horizontal path of the installed conduit as measured in a straight line between the centers of pull boxes, cabinets, poles, etc. No allowance will be made for sweeps or vertical distances above or below the ground or the bridge deck.*
- (b) Luminaire and Truss Arm: The Contract unit price will include the truss arm, luminaire with lamp, and all necessary.....

New Specifications July 2012 & January 2013 For All Jobs



(1/13) PORTLAND CEMENT CONCRETE. SECTION 346 PORTLAND CEMENT CONCRETE 346-12 Pay Reduction for Plastic Properties

~~If concrete is placed even when the result of plastic properties testing requires its rejection, the payment for concrete represented by the plastic property tests will be reduced by twice the invoice price per cubic yard for all concrete in the load that is placed. If the Engineer authorizes placement of the concrete, there will be no pay reduction.~~

A rejected load in accordance with 346-6.4 is defined as the entire quantity of concrete contained within a single ready mix truck or other single delivery vehicle regardless of what percentage of the load was placed. If concrete fails a plastic properties test and is thereby a rejected load but its placement continues ~~is placed~~ after completion of a plastic properties test having a failing result, payment for the concrete will be reduced.

The pay reduction for cast-in-place concrete will be twice the invoice price per cubic yard of the quantity of concrete in the rejected load.

The pay reduction for placing a rejected load of concrete into a precast product will be applied to that percentage of the precast product that is composed of the concrete in the rejected load. The percentage will be converted to a reduction factor which is a numerical value greater than zero but not greater than one. The precast product payment reduction will be twice the Contractor's billed price from the Producer for the precast product multiplied by the reduction factor.

If the Engineer authorizes placement of the concrete, even though plastic properties require rejection, there will be no pay reduction based on plastic properties failures; however, any other pay reductions will apply.

New Specifications July 2012 & January 2013 For All Jobs



For Pile Specifications:

455-12.2 Prestressed Concrete Piling, 455-12.3, Steel Piling 455-12.4 Test Piles:

Price and payment will be full compensation for the cost of furnishing and placing all reinforcing steel, predrilled holes, furnishing the material for and wrapping pile clusters with wire cable where so shown in the plans and grouting of preformed pile holes when shown in the plans. ~~Payment will be made in two increments: 70% of the unit price for Prestressed Concrete Piling for each foot fabricated and accepted as stockpiled materials, and 30% of the unit price for Prestressed Concrete Piling for the entire authorized length upon completion of driving.~~

New Specifications July 2012 & January 2013 For All Jobs



(7/12) STRUCTURES FOUNDATIONS.

(REV **1-5-12**)

SUBARTICLE 455-8.3 (of the Supplemental Specification) is deleted and the following substituted:

455-8.3 Pile Splices: Order and use the full authorized pile length where practicable. Do not splice to obtain authorized lengths less than 40 feet except when shown in the plans. ~~When approved by the Engineer, perform splicing to obtain authorized lengths between 40 and 60 feet. The Engineer will permit splicing to obtain authorized lengths in excess of 60 feet.~~ *Locate all splices in the authorized pile length in portions of the pile expected to be at least 15 feet below the final ground surface after driving. When it is not practicable to provide authorized pile lengths longer than 40 feet in a single length, use no more than one field splice per additional 40 feet of authorized pile length. Shop splices may be used to join single lengths of pile which are at least 20 feet in length. One shorter segment of pile may be added by field splicing or shop splicing used to achieve the authorized pile length when needed.* ~~Locate all splices in the authorized pile length in portions of the pile expected to be at least 15 feet below the final ground surface after driving.~~

New Specifications July 2012 & January 2013 For All Jobs



CONCRETE STRUCTURES.

(REV 7-16-12)

400-11.3 Bearing Pads: ...Exercise care in fabrication of related metal parts to avoid producing conditions detrimental to the performance of the pads, such as uneven bearing, excessive bulging, etc. *Payment for this correction effort will be considered extra work in accordance with 4-3.*

New Specifications July 2012 & January 2013 For All Jobs



PRESTRESSED SOIL ANCHORS.

(REV 8-14-12)

451-11 Method of Measurement.

Unless otherwise shown on the *P*lans, the quantity to be paid for will be the number of prestressed soil anchors, *based on the maximum anchor spacing shown on the Plans*, installed and accepted...

New Specifications July 2012 & January 2013 For All Jobs



455-11.5 Dynamic Load Tests: Payment will be based.....
Payment for attaching equipment to each production pile for dynamic load testing prior to initial driving and as authorized by the Engineer will be 20 feet of additional pile. *No payment will be made for attaching dynamic testing equipment for set-checks or redrives.*

New Specifications July 2012 & January 2013 For All Jobs



(1/13) 455-11.3 Steel Piling:

455-11.4 Test Piles: The quantity to be paid for of test piles of various types, will be the length, in feet, of Test Piling furnished, driven and accepted, according to the authorized length list, and any ~~additions or deletions~~ *extensions* thereof as approved by the Engineer.

Where a test pile is left in place as a permanent pile, it will be paid for only as Test Piles. Any extensions necessary to continue driving the pile for test purposes, as authorized by the Engineer, will be paid for as Test Piles. Other *extensions of piles, additional length paid for splicing and* build-ups ~~made only to incorporate the pile into the structure as a permanent pile~~ will be included in the quantities of regular Piling and will not be paid for as Test Piling.

New Specifications July 2012 & January 2013 For All Jobs



(7/12) INTELLIGENT TRANSPORTATION SYSTEMS – MOTORIST INFORMATION SYSTEMS.

~~(REV 08-29-11-11-12) (REV 12-7-10) (FA 1-24-11) (7-11)~~

ARTICLE 781-7 (of the Supplemental Specifications) is deleted and the following substituted:

781-7 Method of Measurement.

Measurement for payment will be in accordance with the following work tasks.

781-7.1 Furnish and Install: For DMS, the quantity to be paid for will be each sign ~~and associated support structure~~ furnished, installed, *complete in accordance with the details shown in the plans*, warranted, made fully operational, and tested in accordance with the specifications in this section.

For DMS Support Structure, the quantity to be paid for will be each structure furnished, installed, complete in accordance with the details shown in the plans; including posts and supports, catwalks, handrails, footings, excavation, site grounding, painting, ~~etc~~ and incidentals necessary to complete the work.

The Contract unit price for each HAR system, furnished and installed, will include.....



*What Questions
or Comments
do you have?*



Activity Question



On Streamline Plan Quantity Project:

- with Original contract time of 120 Days
- 5 days granted by Work Order (Design error on a Drilled Shaft)
- 5 days for weather
- 3 for Holiday
- Original contract quantity for work Zone Sign= 1,800 EA
- Contract Unit Price for Work Zone Signs= \$0.45
- Due to the contractor's means and methods they only certified 13 signs per day for the duration of the contract.
- The contract was accepted on the last day of allowable time

How many devices would you pay for?

What documentation for this item is needed?

Activity Answer



SA's and Work Orders are changes to the contract. Therefore the plan error does not apply since the days were granted by a Work Order.

Do not pay Plan Error

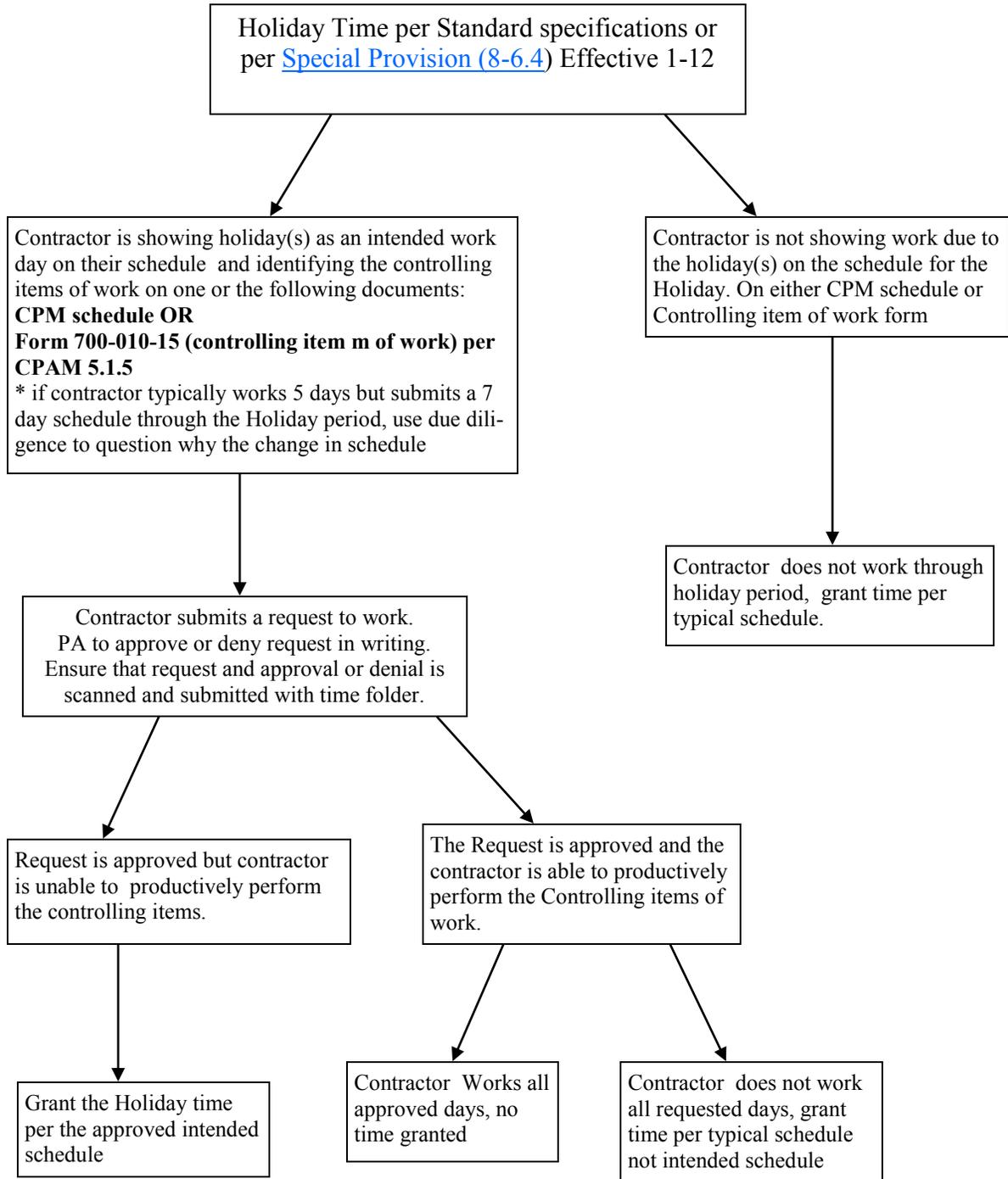
Would Pay

1800 (Original Contract time)+

169 (13 days granted WO/HD/WL @ 13 signs per day)=1969 Total

Supply MOT cert as backup for the changes

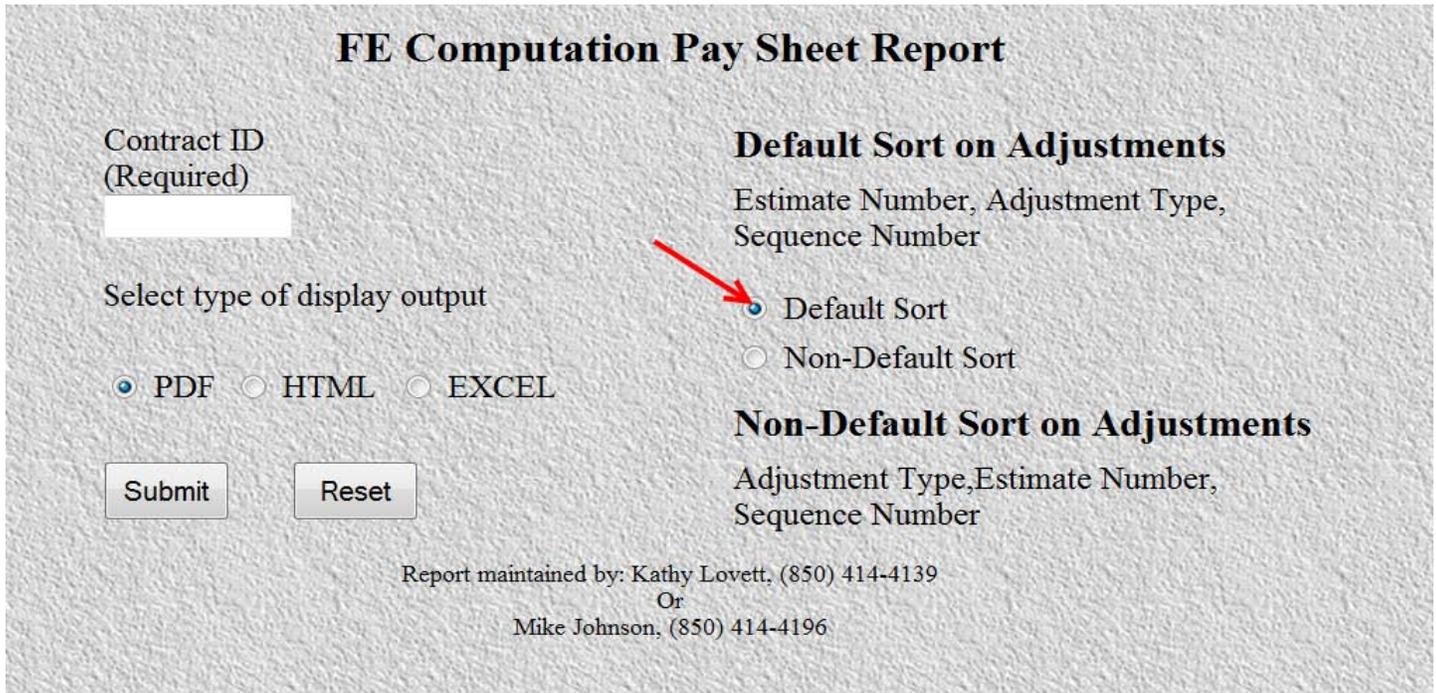
Granting Holiday Time Flow Chart



Ensure that work or no-work is documented appropriately in the Daily work reports by either the inspector or the Project administrator.

How to Sort Line Item Adjustments on the AdHoc Pay Item Summary Sheet

When the “FE Computation Pay Sheet Report” is accessed the screen will come up automatically selecting the “Default Sort”.



FE Computation Pay Sheet Report

Contract ID (Required)

Select type of display output

PDF HTML EXCEL

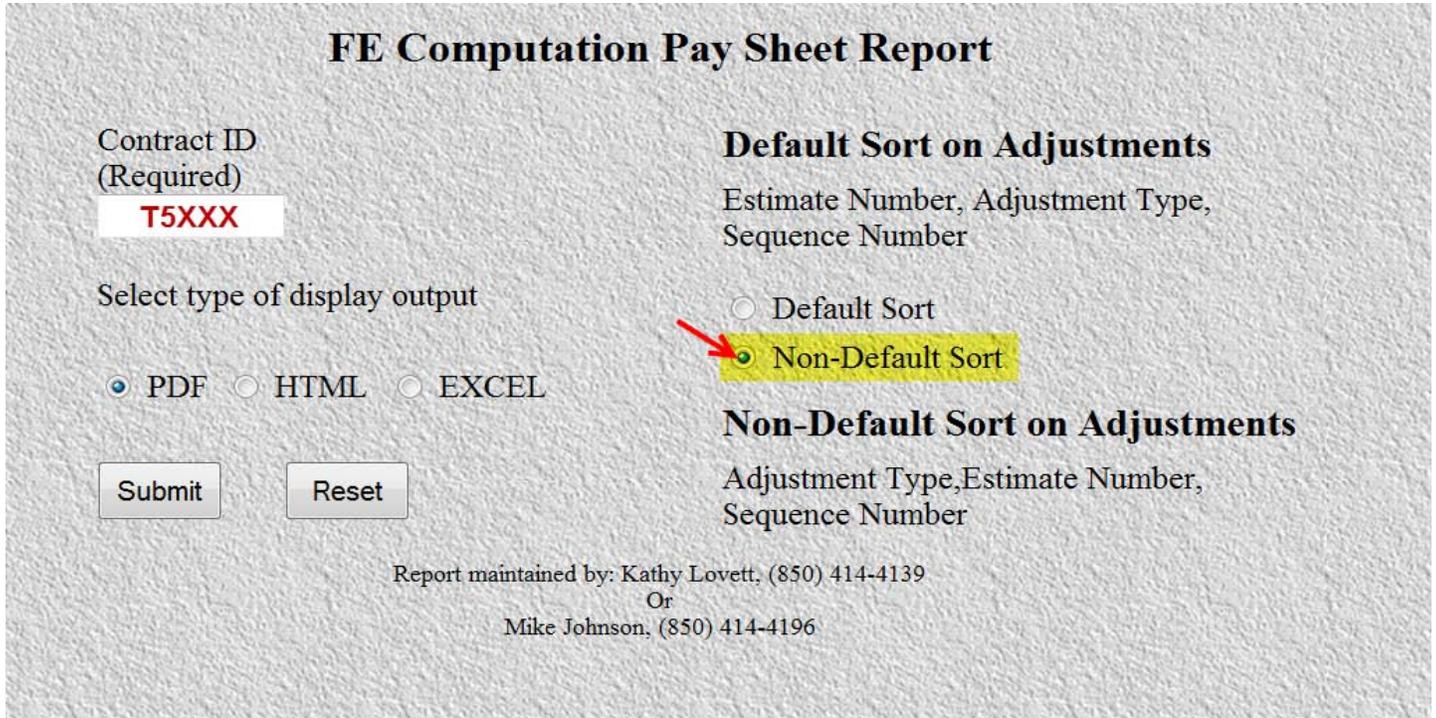
Default Sort on Adjustments
Estimate Number, Adjustment Type, Sequence Number

Default Sort
 Non-Default Sort

Non-Default Sort on Adjustments
Adjustment Type, Estimate Number, Sequence Number

Report maintained by: Kathy Lovett, (850) 414-4139
Or
Mike Johnson, (850) 414-4196

Change to the “Non-Default Sort” and enter the contract number and then click on the submit button.



FE Computation Pay Sheet Report

Contract ID (Required)

Select type of display output

PDF HTML EXCEL

Default Sort on Adjustments
Estimate Number, Adjustment Type, Sequence Number

Default Sort
 Non-Default Sort

Non-Default Sort on Adjustments
Adjustment Type, Estimate Number, Sequence Number

Report maintained by: Kathy Lovett, (850) 414-4139
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The screen will then show all like line item adjustments together as shown below.

Quantity	Unit Meas	Item Code	S.A. Number	Pay Item Description
1.000	LS	0999 2		LUMP SUM CONTRACT, ALTERNATIVE BIDDING
		Contract Adjustments for Pay Item Code: 0999 2		Change Order Number:
1.000		BITM 0002 01		Bit adj for estimate #2
1.000		BITM 0002 02		Bit Adj for Est. #1
1.000		BITM 0003 01		Bit Adj for structural and base Est #3
1.000		BITM 0004 01		Bit. adj for Est #004
1.000		CPF 0002 01		Lot 1 CPF 1.02 = 80 tns x \$90 = \$7200
1.000		CPF 0004 01		CPF Lot 3 (@98% 1263.11 tons
1.000		CPF 0004 02		CPF Lot #3A (@98% for 543.82 tons
1.000		CPF 0004 03		CPF Lot 3B 98% 472.82 tons
1.000		CPF 0004 04		CPF Lot 4 (@ 105% for 2000 tons
1.000		CPF 0004 05		CPF Lot 5 (@ 104% for 1645.27 tons
1.000		FUEL 0002 01		Invoice #2 diesel
1.000		FUEL 0003 01		Est #3 diesel adj
1.000		GASO 0002 01		Estimate #2 Gasoline
1.000		GASO 0002 02		Fuel Adj. Est. #1
1.000		GASO 0003 01		Est. #3 Gas adj.
1.000		MTCH 0001 01		Invoice matching adj for Est. #1.
1.000		MTCH 0002 01		Invoice matching amount for Estimate #2.
1.000		MTCH 0003 01		EST #3 INVOICE MATCHING

This will make finding and checking line item adjustments easier.

Additional Specifications you may want to pay attention to

4-3.2.1 Allowable Costs for Extra Work: Cumulative calendar days has been clarified.

9-4 Deleted Work: Clarification added

102-13.12.1 Redirective: (Crash Cushion)

Price and payment will be full compensation for furnishing, installing, maintaining and subsequently removing such crash cushions. Payment for restoring damaged crash cushions will be the manufacturer's/distributor's invoice price for the new materials/parts plus 20% markup. The 20% markup is compensation for all necessary work including; but not limited to, labor, equipment, supplies and profit, as authorized by the Engineer. Additional MOT required for the repair of the crash cushion will be paid for under the appropriate MOT pay item.

Superpave Asphalt Concrete. (334-8 Basis of Payment.)

334-8.1 General: Perform all calculations using the latest version of the Department's Asphalt Plant Worksheet

346-11.6 Core Strength Adjustments(Portland Cement Concrete): cores tested later than 42 calendar days after the concrete was cast, the Engineer will establish the equivalency between 28 day strength and strength at ages after 42 calendar days. The Engineer will relate the strength at the actual test age to 28 day strength for the design mix represented by the cores using the following relationship:

330-9.4.5.1 General: Straightedge the final Type SP structural layer and friction course layer in accordance with 330-9.4.2, with the exception that if the method of acceptance is by laser profiler, then straightedging of the friction course layer is not required.

334-5.1.2 Acceptance Testing Exceptions: Do not perform density testing for acceptance in situations where the areas requiring density testing is less than 50 tons within a subplot.

The density pay factor (as defined in 334-8.2) for areas not requiring density testing for acceptance will be paid at the same density pay factor as the areas requiring density testing within the same LOT. If the entire LOT does not require density testing for acceptance, the LOT will be paid at a density pay factor of 1.00.

455-23 Method of Measurement. -

455-23.5 Drilled Shaft Sidewall Overreaming, 455-23.6 Bell Footings,455-23.68 Test Bells has been deleted

455-11.6 Steel Sheet Piling: Approved alternate support structures would be paid for as plan quantity computed for sheet pile.

534-9 Basis of Payment (Concrete Sound Barriers): Price and payment no longer includes any charges for power stoppages-required to construct the wall.

563-23.6 4: (Anti-Graffiti Coatings System) Correction of Deficiencies

Section 680: Manufactures' Guaranties Warranties for Traffic Control Signal and Devices

Section 780 (ITS): Clarification for payment for Dynamic Message Sign and added Pay items.