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Asphalt

Section 11.6

DOCUMENTATION FOR MULTI-FINANCIAL IDENTIFICATION NUMBERS (FIN) PROJECTS UNDER ONE CONTRACT

11.6.1   Purpose

This procedure provides examples for calculating and documenting asphalt quantities, of the same pay item, appearing on multiple financial projects under one Contract for Conventional, Lump Sum, and Design Build Projects.

11.6.2   Authority

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

11.6.3   For Multi-FIN Projects Under One Contract (Same Pay Item)

(A)   Contractor Responsibilities

All asphalt produced and accepted for a particular item can be reported by the Contractor on the Quality Control Roadway Report (QCRR) and the Asphalt Contractor's Certification of Quantities under the lead FIN only when the same pay item appears on multi-FINs and the same unit price. If for some reason one of the FINs with the same pay item has a different unit price, then that project will not be included with the other FINs when calculating the prorated quantities.

(B)   Resident Office Responsibilities

In this case, the Project Administrator (PA) will prorate the pay item breakout using the quantities for each FIN shown in ~~SiteManager~~AASHTOware Project Construction (PrC). This will be done by taking the original contract total tons shown in ~~SiteManager~~PrC for each FIN and dividing it by the total tons for the original contract quantity, then multiplying this amount by the total tons placed for each project (see **Example 1**). If asphalt has been placed and accepted during the month, the PA will report the prorated quantities in ~~SiteManager~~PrC monthly after the estimate cutoff based on the accepted Contractor's Certification of Quantities.

NOTE 1: This breakout is done monthly to ensure the bituminous adjustments are proportionally distributed for each project, and the period the asphalt was produced and accepted. The composite pay factor (CPF) breakout adjustments shall be done during the month when the lot is closed out. See **CPAM 11.4** , **Attachment C**, Example 8, for CPF calculations for multi FINs under one Contract.

NOTE 2: Deficiencies will also be reported when you have Multi FIN's under one Contract.

NOTE 3: Deductions will be pro-rated when asphalt accepted is prorated.

EXAMPLE 1:

What is the quantity of asphalt reported for Project "A" and Project "B" for the following pay items?

- Pay Item 334-1-11(Superpave Asphaltic Concrete, Traffic Level B~~A~~, Tons)
- Pay Item 285-710 (Optional Base, Group 10, Square Yards (SY))
- Pay Item 337-7-88 (Asphaltic Concrete Friction Course, Traffic Level E, Tons)

For Project A:
Pay Item 334-1-11 Quantity = 10,550.5 Tons
Pay Item 285-710 Quantity = 17,754 SY
Pay Item 337-7-88 Quantity = 9,452.5 Tons

For Project B:
Pay Item 334-1-11 Quantity = 21,395.5 Tons
Pay Item 285-710 Quantity = 19,632 SY

Contract Quantity:
Pay Item 334-1-11 Contract Quantity = 31,946.0 Tons
Pay Item 285-710 Contract Quantity = 37,386 SY
Pay Item 337-7-88 Contract Quantity = 9,452.5 Tons

HINT: Pay Item 337-7-88 is only on project A.

- Pay Item 334-1-11 Tons placed this month = 4,359.6 tons
- Pay Item 285-710 SY Placed this month = 23,434 SY
- Pay Item 337-7-88 Tons placed this month = 3,256.6 Tons

Project "A":

Pay Item 334-1-11:

The quantity is determined by dividing the total tonnage for Project "A" (10,550.5 tons) by the total tonnage for the entire contract (31,946.0 tons) and multiplying by the tonnage for the month (4,359.6 tons).

$$\left(\frac{10,550.5 \text{ tons}}{31,946.0 \text{ tons}}\right)(4,359.6 \text{ tons}) = 1,439.8 \text{ tons}$$

Pay Item 285-710:

The quantity is determined by dividing the total Square Yards for Project "A" (17,754 SY) by the total SY for the entire contract (37,386 SY) and multiplying by the SY for the month (23,434 SY)

$$\left(\frac{17,754 \text{ SY}}{37,386 \text{ SY}}\right)(23,434 \text{ SY}) = 11,128 \text{ SY}$$

Pay Item 337-7-88; as stated above; this pay item is available only on Project "A". The quantity of 3,256.6 Tons will be paid under Project "A" only.

Project "B":

Pay item 334-1-11:

The quantity is determined by dividing 21,395.5 Tons by 31,946.0 and multiplying by 4,359.6.

$$\left(\frac{21,395.5 \text{ tons}}{31,946.0 \text{ tons}}\right)(4,359.6 \text{ tons}) = 2,919.8 \text{ tons}$$

Double check that the sum of the prorated quantities equals the total placed this month.

Total Tonnage for Pay Item 334-1-11 = 1,439.8 + 2,919.8 = 4,359.6 tons

Pay Item 285-710:

The quantity is determined by dividing 19,632 SY by 37,386 SY and multiplying by 23,434 SY

$$\left(\frac{19{,}632 \text{ SY}}{37{,}386 \text{ SY}}\right)(23{,}434 \text{ SY}) = 12{,}306 \text{ SY}$$

Double check that the sum of the prorated quantities equals the total placed this month.

Total SY for Pay Item 285-710 = 11,128 + 12,306 = 23,434 SY

11.6.4   For Multi-FIN Projects, Under One Contract, Including Non-Federal Aid (NFA) Participating

(A)   Contractor Responsibilities

All asphalt produced and accepted for a particular item can be reported by the Contractor on the Quality Control Roadway Report (QCRR) and the Asphalt Contractor's Certification of Quantities under the lead FIN, including NFA participating.

Exception: When an item is shown only on one FIN, the tonnage will be reported on that FIN.

(B)   Resident Office Responsibilities

In this case, the PA will prorate the pay item breakout by taking the total tons shown in ~~SiteManager~~PrC for each FIN and dividing it by the total tons for the Contract, then multiplying this amount by the total tons placed (see ***Example 2***). The PA will report the prorated quantities in ~~SiteManager~~PrC monthly after the estimate cutoff based on the Contractor's Certification of Quantities, provided that the asphalt has been placed and accepted by the PA during the month.

The same principle applies as seen in Example 1.

Example 2:

What is the quantity of asphalt reported for Project "A" and Project "B", for both federal aid and non-federal aid portions? This example has one pay item.

- Project "A" quantity = 5,963.0 tons Federal Aid participating and 4,326.0 tons NFA participating
- Project "B" quantity = 23,689.0 tons Federal Aid participating
- Total Contract Amount = 33,978.0 tons
- Tons placed this month = 4,359.3 tons

The Federal Aid portion of Project "A" is determined by dividing the total tonnage for the Federal Aid portion of Project "A" (5,963.0 tons) by the total tonnage for the entire contract (33,978.0 tons) and multiplying by the tonnage for the month (4,359.3 tons).

$$\left(\frac{5,963.0 \text{ tons}}{33,978.0 \text{ tons}}\right)(4,359.3 \text{ tons}) = 765.0 \text{ tons}$$

The NFA portion of Project "A" is determined by:

$$\left(\frac{4,326.0 \text{ tons}}{33,978.0 \text{ tons}}\right)(4,359.3 \text{ tons}) = 555.0 \text{ tons}$$

Project "B" is determined by:

$$\left(\frac{23,689.0 \text{ tons}}{33,978.0 \text{ tons}}\right)(4,359.3 \text{ tons}) = 3,039.2 \text{ tons}$$

Double check that the sum of the prorated quantities equals the total placed this month.

Total Tonnage = 765.0 + 555.0 + 3,039.2 = 4,359.2 Tons

NOTE 4: the 0.1 Ton difference is due to rounding. The Project Administrator should agree to pay 3,039.3 Tons on project "B".