

CHAPTER 9 ROADWAY, BASE, STABILIZING AND PAVEMENT ITEMS REVIEW

9.1 PURPOSE

To set forth the guidelines and instructions for a Resident Office to use and prepare the Final Estimates Package and make offer of final payment. Also guide the District Final Estimates Office (DFEO) in the final review of the construction categories specified as subgrade, subbase, base, pavement, and friction course.

9.2 PROCEDURE

9.2.1 FINAL REVIEWING - ITEMS GROUPED BY COMMON PROCEDURE

- (A) Square yard /Plan Quantity Concept Items: The items shown below are paid on an area basis (usually square yards). The area to be paid for shall be plan quantity subject to the applicable edition of **Section 9-3.2** of the **Specifications** which defines tolerances or deviations for plan errors and plan revisions before adjustments are to be made. Thickness and penalty adjustments are not considered tolerances. In other words, only plan revisions or plan errors qualify for tolerance. Below are examples of these square yard items:

~~Stabilized Subbase~~

~~Stabilization Type 'B' & 'C' - Section 160 of the Specifications~~

~~Predesigned Stabilized Subgrade – Section 161 of the Specifications~~

~~Prepared Soil Layer – Section 162 of the Specifications~~

~~Subgrade – Pay Item 165- 70~~

~~Cracking & Reseating Existing Concrete Pavement – Pay Item 175- 1~~

~~Cement Treated Subgrade~~

~~Reworking Limerock Base – Pay Item 210- 1~~

~~Shaping and Compacting Local Rock Base~~

~~Limerock Stabilized Base- Pay Item 230- 1~~

~~Optional Base – Section 285 of the Specifications~~

~~Compacting and Finishing Rock Base – Section 285 of the Specifications~~

~~Turnout Construction (limerock, etc.) - Section 286 of the Specifications~~

~~Plain Cement Concrete Pavement – Pay Item 350- 1~~

~~Reinforced Cement Concrete Pavement – Pay Item 350- 2~~

1 (B) ~~Generally speaking, a final review entails verification of properly documented~~
2 ~~computations for plan revisions or plan errors outside Specification tolerance,~~
3 ~~thickness, and penalty calculations. Where it is known that plan errors exist,~~
4 ~~the size of the error must be determined and documented by computations.~~
5 ~~For **Optional Base** items, the square yard unit price shall be full~~
6 ~~compensation for tack coat, prime coat, cover material for prime coat,~~
7 ~~bituminous material in asphaltic base, and cement in soil/cement.~~

8
9 **Note:** ~~If the Contractor uses a **Mix In Place** base, such as sand clay, **no thickness**~~
10 ~~**adjustment will apply.** Normally, price adjustments for bituminous material,~~
11 ~~as provided in **Section 9-2.1.2 of the Specifications**, shall not apply,~~
12 ~~however, for contracts that have optional base items with all options being~~
13 ~~asphalt, the bituminous adjustment shall apply per Special Provisions of the~~
14 ~~contract. The maximum pay shall be 105 percent of surface area. Check~~
15 ~~thickness calculations to determine the equivalent square yards adjustment~~
16 ~~to be made (dependent upon specification tolerances).~~

17 (C) ~~Verify computations for areas left in place at no pay.~~

18 (DB) ~~Cubic Yard /Certified Truck Capacity Items such as:~~
19 ~~Commercial Stabilizing Material (in stabilized subbase)~~
20 ~~Limerock, New Material (in reworking limerock base) – **Section 210 of the**~~
21 ~~**Specifications – Plan Quantity (PQ)**~~
22 ~~Limerock Material (in limerock stabilized base) - **Section 230 of the**~~
23 ~~**Specifications - (PQ)**~~
24 ~~Shell Base Material (in shell stabilized base)~~
25 ~~Cover Material and Sand Cover Material~~
26 ~~**Asphalt Treated Permeable Base – Section 287 of the Specifications - (PQ)**~~
27 ~~**Cement Treated Permeable Base – Section 288 of the Specifications - (PQ)**~~
28 ~~Borrow Excavation – **Section 120 of the Specifications – Final Measure**~~

29 (1) Each truck capacity must be certified. If sideboards are added, then
30 the Project Administrator (PA) must provide sketches for sideboard
31 dimensions and calculations verified by DFEO.

32 (2) Tabulation forms must be submitted with each entry showing time,
33 date placed, truck number, capacity, and if applicable, weights and
34 void tickets. Quantity summaries and transfers to computation books
35 must be verified.

1 | ~~(E)~~ (C) Tonnage/Truck Weights or Automatic Batch Weight Items such as the pay
2 | items below have quantities determined by weighing. These individual truck
3 | weights or automatic printer tickets showing the accumulation of batched
4 | components must be verified for correctness. The spread rate (~~L~~bs/sy SY) in
5 | the area of placement for each item must be within five (5) percent of the
6 | spread rate for that item shown in the plans, or the discrepancy shall be
7 | properly explained in the overrun/underrun explanation section of the
8 | appropriate computation book page by project personnel. Quantity transfers
9 | to computation book must also be verified for each of these items:

10 | Turnout Construction (Asphalt) - Section 286 of the Specifications
11 | Miscellaneous Asphalt Pavement - Section 339 of the Specifications
12 | Superpave - Section 334 of the Specifications.
13 | ~~Friction Course - Section 337~~
14 | Friction Course - Section 337 of the Specifications

15 | 9.2.2 FINAL REVIEWING - INDIVIDUAL ITEM PROCEDURES

16 |
17 | In addition to the above general instructions, the following specific points are to be checked
18 | when applicable:

- 19 | ~~(A)~~ (A) ~~Plan Quantity- Square Yard pay items:~~
20 | ~~(1) Commercial Stabilizing Stabilization: Section 160 of the~~
21 | ~~Specifications~~ Material used in Stabilized Subbase:
22 | ~~(1a) Commercial & Local Material - meet the requirements of~~
23 | ~~Section 914 of the Specifications.~~
24 | ~~(b) Truck capacities shall be certified.~~
25 | ~~(2c) Spot Check the tabulation forms, truck numbers, and~~
26 | ~~calculated total volumes.~~
27 | ~~(d3) Summaries and transfers to the Computation Book shall be~~
28 | ~~verified.~~
29 | ~~(4) No separate payment will be made for commercial material that the~~
30 | ~~Contractor elects to utilize in Type 'B' or Type 'C' Stabilization (per~~
31 | ~~Section 160-9.3 of the Specifications).~~
32 | ~~(B) Type 'B' and Type 'C' Stabilization: The quantity of these types~~
33 | ~~shall be the area in square yards paid for on the basis of plan quantity.~~
34 |

1 | (e) If the item of Borrow Excavation is included in the contract, any
2 | stabilizing materials obtained from designated borrow areas shall be
3 | included in the pay quantity for Borrow Excavation (per **Section 160-**
4 | **9-46** of the **Specifications**).

5 |
6 | (f) Review to ensure that the Designer has provided the required
7 | supporting documentation for plan quantity and any additions
8 | or deletions are supported with backup documentation.

9 | ~~(C) — Stabilized Subbase: The area to be paid for shall be the area in square yards~~
10 | ~~paid for on the basis of plan quantity.~~

11 | ~~Review to ensure that the Designer has provided the required supporting~~
12 | ~~documentation for plan quantity and any additions or deletions are~~
13 | ~~supported with backup documentation.~~

14 | ~~(D) — Cement Treated Subgrade or Roadbed~~

15 |
16 | ~~(1) — Determine that any deficient areas allowed to be left in place with no~~
17 | ~~pay are deducted from the final pay area and that the theoretical amount of cement is deducted.~~

18 |
19 | ~~(2) — Check tabulation forms for materials utilized. Only the amount authorized to~~
20 | ~~be used by the PA shall be paid for under this item.~~

21 |
22 | ~~(3) — No separate payment will be made for bituminous material applied as a curing membrane.~~

23 |
24 | ~~(4) — No additional compensation will be allowed for labor or materials involved in reconstructing~~
25 | ~~defective and deficient thickness areas.~~

26 | (2) **Predesigned Stabilized Subgrade – Section 161 of the Specifications**

27 |
(a) Used for construction of shoulder only, sidewalk, and bike/shared
path . Meet the requirements of **Section 120-8.1.2** of the
Specifications, except replace “Embankment” with “Subgrade”.
Material to meet the requirements of **Section 914** of the
Specifications.

(b) Review to ensure designer has provided the required supporting
documentation for plan quantity and any additions or deletions are
supported with backup documentation.

28 | (3) **Subgrade (Limerock Treated) – Section 165 of the Specifications**

29 |
30 | (a) Review to make sure designer has provided the required supporting
31 | documentation for plan quantity and any additions or deletions are

1 supported with backup documentation.

2
3 (4) Cracking and Reseating Existing Concrete Pavement – **Section 175** of the
4 **Specifications**

5
6 (a) Review to ensure that the Designer has provided the required
7 supporting documentation for plan quantity and any additions or
8 deletions are supported with backup documentation.

9
10 (5) Reworking Limerock Base

11
12 (a) Rework (or rework and widen) the existing rock base, by adding
13 new limerock material as required by the plans and **Section 210** of
14 the **Specifications**. Construct adjacent turnouts, entirely with new
15 limerock.

16 (b) For new limerock material only, check the total cubic yards using the
17 final measurement books and the Tabulation forms.

18 (c) Review to make sure designer has provided the required supporting
19 documentation for plan quantity and any additions or deletions are
20 supported with backup documentation.

21
22 (6) Limerock Stabilized Base – **Section 230** of the **Specifications**

23
24 (a) Where extra limerock is placed at culverts, etc., as detailed in the
25 plans, the volume of such material shall be included in the quantity of
26 limerock material to be paid for, but the area of base to be paid for
27 shall not be adjusted.

28 (b) Review to make sure designer has provided the required supporting
29 documentation for plan quantity and any additions or deletions are
30 supported with backup documentation.

31
32 ~~(E) Cracking and Reseating Concrete Pavement: The quantity to be paid for~~
33 ~~shall be the area in square yards on the basis of plan quantity.~~

34 ~~Review to ensure that the Designer has provided the required supporting~~
35 ~~documentation for plan quantity and any additions or deletions are supported~~
36 ~~with backup documentation.~~

37
38 ~~(F) Base Courses:~~

39 ~~(1) Reworking Limerock Base Courses: The quantity to be paid for shall be: (a) The~~
40 ~~area in square yards on the basis of plan quantity: (b) The certified truck quantity of new~~

1 | ~~limerock. For new limerock material only, check the total cubic yards using the final~~
2 | ~~measurement books and the Tabulation forms.~~

3 | ~~Review to ensure that the Designer has provided the required~~
4 | ~~supporting documentation for plan quantity and any additions or~~
5 | ~~deletions are supported with backup documentation.~~

6 | ~~(2) Limerock Stabilized Base: The quantity to be paid for shall be the~~
7 | ~~area in square yards on the basis of plan quantity and the quantity of~~
8 | ~~limerock material certified loose in truck bodies at the point of~~
9 | ~~placement. Where extra limerock is placed at culverts, etc., as~~
10 | ~~detailed in the plans, the volume of such material shall be included in~~
11 | ~~the quantity of limerock material to be paid for, but the area of base to~~
12 | ~~be paid for shall not be adjusted.~~

13 | ~~(3) Asphalt Treated Permeable Base and Cement Treated Permeable~~
14 | ~~Base: The quantity to be paid for shall be the plan quantity in cubic~~
15 | ~~yards, completed and accepted.~~

16 | ~~Review to ensure that the Designer has provided the required~~
17 | ~~supporting documentation for plan quantity and any additions or~~
18 | ~~deletions are supported with backup documentation.~~

19 |
20 | ~~(G7) Optional Base Courses: This item consists of base construction of one of the~~
21 | ~~optional base materials (15 base groups) shown in the plans typical cross~~
22 | ~~section. The surface area to be paid for shall be plan quantity.~~

23 | ~~(4a) Review to ensure that the Designer has provided the required~~
24 | ~~supporting documentation for plan quantity and any additions or~~
25 | ~~deletions are supported with backup documentation.~~

26 | ~~(2b) Thickness in excess of 1/2 inch greater than specified shall not be~~
27 | ~~considered in payment.~~

28 | ~~(3c) Thickness adjustments within prescribed **Standard Specifications**~~
29 | ~~are payable and are not considered as plan errors or revisions. The~~
30 | ~~pay area shall not exceed 105 percent of surface area.~~

31 | ~~(4d) The square yard or square meter unit price and payment shall be~~
32 | ~~full compensation for tack coat, prime coat, cover material for prime~~
33 | ~~coat, and bituminous material in plant mix.~~

1 (5e) Price adjustment for bituminous material as provided in **Section 9-**
2 **2.1.2** of the **Specifications** shall not apply, unless the plans specify a
3 black base option only (**see Chapter 6** of this **manual**Manual).

4 ~~(6) Price adjustment for bituminous material (Lump Sum Projects) as~~
5 ~~provided in **Section 9-2.1.2 of the Specifications** shall apply.~~

6 (H7-A) Limerock Base: The pay quantity shall be the area in square yards or square
7 meters on the basis of plan quantity. In addition, I the final pay requirements
8 are verified as follows:

9 (4a) Review to ensure that the Designer has provided the required
10 supporting documentation for plan quantity and any additions or
11 deletions are supported with backup documentation.

12 (2b) Check limits of deficient thickness areas left in place without pay.

13 (3c) Average thickness shall be calculated for the entire contract as a unit.
14 Check that the thickness does not exceed the normal specified
15 thickness plus 1/2 inch. Maximum pay is 105 percent of surface area,
16 if bid under Optional Base item.

17
18 (**Note:** See **Special Provisions** for any changes).

19 (4d) Deficient thickness area(s) not included for pay shall appear on the
20 final estimate with the following statement:

21 ~~Square yards or square meters have been deducted due to deficient~~
22 ~~thickness.~~

23 (5e) Core measurements in areas of deficient thickness (no pay) shall not
24 be used to determine average thickness of base material.

25 (6f) Areas and thickness for connection to back of sidewalks shall not be
26 included in average thickness calculations of square yard or square
27 meter pay area.

28 (7g) Authorized variable thickness base shall be calculated separately.
29 The area shall not be included when adjusting for depths over or
30 under normal thickness.

1 | (8h) The mathematics of the adjustment shall be checked. The formula
2 | used is as follows:

3 |
$$\text{Adjusted Pay Area} = \frac{\text{Pay Average Thickness} \times \text{Plan Area}}{\text{Plan Thickness}}$$

4 |

5 | (9i) Formulas for converting variable depth base to normal thickness area
6 | Where T = Plan Thickness:

7 |
$$\text{English} = \text{S.Y.} = \text{C.Y.} \times \frac{36}{9 \times T(\text{inches})} = \text{or S.Y.} = \frac{\text{C.F.} \times 12}{9 \times T(\text{inches})}$$

8 |
$$\text{Metric} = \frac{[\text{C.Y.} \times 3 \times 0.3048]}{[(T \times 25.40) \div 1000]} = 30.1 \times \text{C.Y.} = \text{M}_2$$

$$\text{SY} = \frac{\text{CY} (36 \text{ inches /Yard})}{T (\text{inches})}$$

- 9 | SY= Square Yard
10 | CY= Cubic Yards
11 | 3 = 3 feet per CY
12 | 0.3048 = Metric Equivalent of 1 foot
13 | 1 Yard = 36 inches
14 | T = Thickness in inches
15 | 25.4 = Millimeters in 1 inch
16 | 1000 = Conversion of millimeters to Meters

16 | (I) ~~Shell Base: Payment is based on plan quantity. Calculations for average~~
17 | ~~thickness and the method of making adjustment of the pay area due to~~
18 | ~~excess or deficient thickness shall be the same as those outlined for limerock~~
19 | ~~base. Shell Base material is not to be paid for separately.~~

20 | Review to ensure that the Designer has provided the required supporting
21 | documentation for plan quantity and any additions or deletions are supported
22 | with backup documentation.

23 | (J) ~~Shell Stabilized Base: The pay quantities shall be plan quantity for the~~
24 | ~~square yards or square meters item and the volume in cubic yards or cubic~~
25 | ~~meters of shell material applied by truck measure.~~

- 1 ~~(1) Review to ensure that the Designer has provided the required~~
2 ~~supporting documentation for plan quantity and any additions or~~
3 ~~deletions are supported with backup documentation.~~
- 4 ~~(2) Check all tabulation forms to verify volumes.~~
- 5 ~~(3) The volume of extra shell material placed at culverts, etc., shall be~~
6 ~~included in the pay quantity of shell base material.~~
- 7 ~~(K) Cemented Coquina Base: The quantity to be paid for shall be based on plan~~
8 ~~quantity for the square yards or square meters item.~~
- 9 ~~(1) Review to ensure that the Designer has provided the required~~
10 ~~supporting documentation for plan quantity and any additions or~~
11 ~~deletions are supported with backup documentation.~~
- 12 ~~(2) Check to see that deductions for deficient areas have been properly~~
13 ~~made.~~
- 14 ~~(3) The contractor will provide written documentation to enable the~~
15 ~~engineer to perform calculations confirming the design quantity of~~
16 ~~cement was incorporated into the project.~~
- 17 ~~(E7-B) Superpave Base: The quantity to be paid will be the area in square yards on~~
18 ~~the basis of plan quantity. Black Base, plan quantity pay item~~
- 19 ~~(4a) Review to ensure that the Designer has provided the required~~
20 ~~supporting documentation for plan quantity and any additions or~~
21 ~~deletions are supported with backup documentation.~~
- 22 ~~(2b) Check to see that each Composite Pay Factor unit price adjustment~~
23 ~~has a Lot Submittal Package representing this adjustment.~~
- 24 ~~(3c) Check to see that the maximum allowable pay for thickness~~
25 ~~adjustment does not exceed 105 percent of the surface area.~~
- 26
- 27
- 28 (8) Plain Cement Concrete Pavement (PCCP) and Reinforced Cement Concrete
29 Pavement (RCCP): The final area shall be subject to adjustment for over-
30 thickness or under-thickness in accordance with the **Section 350** of the
31 **Specifications.**

- 1 (a) Review to ensure that the Designer has provided the required
2 supporting documentation for plan quantity and any additions or
3 deletions are supported with backup documentation.
4 (b) Check core-out report for representative interval and PA's explanation
5 of deficient areas removed and replaced or left in place without pay.
6 (c) Criteria for thickness calculations: Cores measured and greater than
7 specified thickness shall be considered in the average thickness
8 calculations plus 1/2".
9 (d) Criteria for payment thickness: The maximum average over-thickness
10 upon which payment will be made shall be normal thickness plus 1/4".
11 (e) When the plans call for cement concrete pavement which is to be
12 covered with asphaltic concrete surface course, the total thickness of
13 the entire combination shall be measured and paid for as plain cement
14 concrete pavement.
15 (f) Toe bars and dowel bars shall not be included in final pay quantities
16 as reinforcing steel.

17
18
19 (B) Cubic Yard Pay Items with Certified Truck Capacity
20

1. Limerock, New Material (in Reworking Limerock Base)

- (a) Spot check Truck Tabulation Forms with certified truck
quantities. This is a Final Measure Pay Item
(b) The quantity is determined by measuring loose volume, in truck
bodies, at the point of dumping on the road, with proper
deduction for all materials wasted, left in truck, or otherwise not
actually used on the road. For this purpose, make sure that
truck material is leveled to facilitate accurate measurements.
See **Section 210** of the **Specifications**

2. Limerock Material (in Limerock Stabilized Base)

- (a) Spot check Truck Tabulation Forms with certified truck
quantities. This is a Final Measure Pay Item.
(b) The quantity is determined by measuring loose volume, in truck
bodies, at the point of dumping on the road, with proper
deduction for all materials wasted, left in truck, or otherwise not
actually used on the road. For this purpose, make sure that
truck material is leveled to facilitate accurate measurements.
See **Section 230** of the **Specifications**

21 3. Asphalt Treated Permeable Base and Cement Treated Permeable

1 Base: **Sections 287 and 288** of the **Specifications**. The quantities to
2 be paid for shall be the plan quantity in cubic yards, completed and
3 accepted.

4 Review to ensure that the Designer has provided the required
5 supporting documentation for plan quantity and any additions or
6 deletions are supported with backup documentation.

4. Borrow Excavation – Is a Final Measure Pay Item. See **Section 120**
of the **Specifications** and **Chapter 8** of this **Manual** for more details.

7 **C Tonnage/Truck Weights or Automatic Batch Weight Items.**

8
9 1. Turnout Construction (Asphalt): Pay Item No. 286- 2.

10
11 (a) See **Chapter 9** of the **Preparation & Documentation Manual, Topic**
12 **No. 700-050-010** for more information

13 (b) No density is required for this pay item and therefore it does not
14 qualify to get a composite pay factor.

15 (d) Keep track of tickets used on this pay item.

16
17 2. Superpave Asphaltic Concrete: The quantity in tons as provided in the
18 **Section 334** of the **Specifications**. (Refer to the **Final Estimates**
19 **Preparation and Documentation Manual -Topic No. 700-050-010 Chapter**
20 **9**) for more information.

21 Check to ensure each Composite Pay Factor unit price adjustment has a Lot
22 Submittal Package representing this adjustment.

23 3. Asphaltic Concrete Friction Course: Pay Items 337- 7 : The quantity to be
24 paid for will be the weight in tons, as determined in accordance with **Section**
25 **320-2** of the **Specifications**.

26 (a) Check to ensure that each Composite Pay Factor unit price
27 adjustment has a **Lot Submittal Package** representing this
28 adjustment

29 (b) Check to ensure that the pay quantity was based on the spread rate
30 limited to 105 percent of the target spread rate based on plan
31 thickness.

32
33 4. (M) Miscellaneous Asphalt (**Pay Item No. 339-1**)

1
2 (a) This is not a pay item which may be used for convenience in resolving
3 leveling and other asphalt roadway problems. Should the DFEO
4 encounter an improper use of this pay item on the roadway, a
5 **Supplemental Agreement** shall be required to pay for the improperly
6 used quantity.

7 (b) Check to ensure that the pay quantity was based on the spread rate
8 limited to a maximum of 105 percent of the plan thickness quantity.

9 ~~(N) Superpave Asphaltic Concrete: The quantity in tons or metric tons as~~
10 ~~provided in the **Section 334 of the Specifications**. (Refer to **Final**~~
11 ~~**Estimates Preparation and Documentation Manual Topic No. 700-050-**~~
12 ~~**010 Chapter 9**).~~

13
14 ~~Check to ensure each Composite Pay Factor unit price adjustment has a Lot Submittal~~
15 ~~Package representing this adjustment.~~

16 ~~(O) Asphaltic Concrete Friction Course: The quantity to be paid for will be the~~
17 ~~weight in tons or metric tons, as determined in accordance with **Section 320-**~~
18 ~~**2 of the Specifications**.~~

19 ~~(1) Check to ensure that each Composite Pay Factor unit price~~
20 ~~adjustment has a Lot Submittal Package representing this adjustment~~

21 ~~(2) Check to ensure that the thickness was based on the plan spread rate~~
22 ~~limited to 105 percent of the project average.~~

23
24 ~~D.(P) Certification of Quantities: All All asphalt produced and accepted will have a~~
25 ~~Certification of Quantities provided by the Contractor each month.~~

26
27 ~~(1) Check to ensure that for every month asphalt was produced and~~
28 ~~accepted, a Certification of Quantities has been submitted.~~

29
30 ~~(2) Check to ensure that all discrepancies have been resolved.~~

31
32 **9.2.3 Portland Cement Concrete Paving and Reinforced Cement Concrete Pavement**
33 **Items:** ~~In addition to the general instructions listed in (**Section 9.2.1 of the**~~
34 ~~**Specifications**) the following specific points are to be checked when applicable:~~

35 ~~(A) Plain Cement Concrete Pavement (PCCP) and Reinforced Cement Concrete~~
36 ~~Pavement (RCCP): The pay quantities under these items shall be the area in~~

1 ~~square yards or square meters, of PCCP and RCCP based on plan quantity~~
2 ~~completed and accepted. The final area shall be subject to adjustment for~~
3 ~~over-thickness or under-thickness in accordance with the **Standard**~~
4 ~~**Specifications.**~~

5 ~~(1) Review to ensure that the Designer has provided the required~~
6 ~~supporting documentation for plan quantity and any additions or~~
7 ~~deletions are supported with backup documentation.~~

8 ~~(2) Check core-out report for representative interval and PA's explanation~~
9 ~~of deficient areas removed and replaced or left in place without pay.~~

10 ~~(3) Criteria for thickness calculations: Cores measured and greater than~~
11 ~~specified thickness shall be considered in the average thickness~~
12 ~~calculations plus 1/2".~~

13 ~~(4) Criteria for payment thickness: The maximum average over-thickness~~
14 ~~upon which payment will be made shall be normal thickness plus 1/4".~~

15 ~~(5) When the plans call for cement concrete pavement which is to be~~
16 ~~covered with asphaltic concrete surface course, the total thickness of~~
17 ~~the entire combination shall be measured and paid for as plain cement~~
18 ~~concrete pavement.~~

19 ~~(6) Toe bars and dowel bars shall not be included in final pay quantities~~
20 ~~as reinforcing steel.~~

21 ~~(B) Bridge Approach Expansion Joints: This item is paid for per linear foot or~~
22 ~~linear meter, on the basis of plan quantity.~~

23 ~~Review to ensure that the Designer has provided the required supporting~~
24 ~~documentation for plan quantity and any additions or deletions are supported~~
25 ~~with backup documentation.~~