

APPENDIX 15- 2
FINAL ESTIMATES INDEPENDENT ASSURANCE REVIEW CHECKLIST
DFTO CONSTRUCTION CHECKLIST FOR IA

ITEMS CHECKED	References	P	F	N/A	REMARKS	
I. Contract Administration						
a. Contract, Contract Plans , Special Provisions, etc. available	CPAM CH 5, R&AM					
b. Plan Summary Boxes						
1. Price adjustments applied and shown ; any additions/deletions	Specifications					
2. Final quantities summarized as they are completed	CPAM CH 5					
3. Cross-reference all data that supports the final quantity	CPAM CH 5					
4. Penalties assessed and shown						
5. Thickness adjustments applied and shown	Specification 285					
6. Method of payment verification (Plan Quantity, Final Measure, or Lump Sum)						
7. All Final Estimates documentation and back up in EDMS or Collaboration Site, as applicable.						
c. Final As-Built Plans						
1. Updated as project progresses a. All field revisions shown. Marked up in red font. All EOR revisions placed appropriately per Section 5.12 of CPAM. b. Voided sheets identified and in the correct order.	CPAM CH 5					
2. Bridge Plans:						
a. Load Ratings recorded on appropriate forms and submitted with Plans	CPAM CH 5					
b. Drill Shaft Inspection records submitted with Plans	CPAM CH 5					

c. Pile Driving Log folders certified and submitted with Plans	CPAM CH 5			
d. Contract Time:				
1. All time extensions reflected on summary contract time	CPAM CH 5			
2. Overrun in contract time reflected in LDs/disincentive charged on monthly or progress estimate	CPAM, Specifications			
3. Deduction made for late contract execution	Specifications			
4. Time charges summarized				
e. Contractor's Certifications Payment based on Certification of Quantities/Worksheets/Monthly Estimates received monthly:				
1. Bituminous Certification and/or Worksheets (All Projects)				
2. Fuel Worksheets (LS/DB Projects). For Conventional, done in Site Manager				
3. Asphalt quantity certifications, certified for each pay item (Conventional Projects). Worksheets turned in for LS/DB projects				
4. MOT Signs, etc. & Traffic Markings Certifications (Conventional Projects only)				
5. Traffic Marking Certification (Worksheet for Conventional & LS/DB Projects)	CPAM CH 5			
6. All other monthly certifications pertaining to the progress estimate and monthly payment				
f. Materials				
1. Check all deficiencies, in Certification of Materials as they are turned in. (Have you addressed this on pay estimates?)				
II. Earthwork				
a. Pre-construction work				
1. If cross-section waiver requested, was it approved prior to clearing & grubbing?				

2. Bench level loop performed and verified.	CPAM CH 5			
3. Errors in vertical control data detected in the initial benchmark loop verification field notes with results forwarded to contractor?				
4. Has verification of original terrain line been recorded appropriately prior to any clearing & grubbing?				
5. Errors in cross-sections detected, and was contractor notified?				
6. If paying by truck measurements, has a list of trucks with their assigned numbers and their certified capacity been provided?	Per Specs			
b. During Construction work:				
1. Have all temporary benchmarks used during subsoil excavation been properly referenced using the Final Measurement Miscellaneous form? Is there any reference to the original Bench Mark (BM)?				
2. If extra depth subsoil encountered and excavated, have calculations been made for accurate payment for additional material?	CPAM CH 5, Specifications			
3. Is subsoil excavation that exceeds the limits of authorized excavation been paid for and explained for each occurrence?				
c. After Completion of Earthwork:				
1. Have all adjustments to embankment due to subsoil excavation overruns or underruns been made?				
2. Have final measurements/counts been summarized, checked & documented on the appropriate Site-Source-Record?				
3. Have all changes to final earthwork been indicated on final plans, and/or cross-section plots				

included?				
III. Asphalt				
a. Conventional Projects				
1. Does the lot submittal package have all supporting documentation?	CPAM CH 11			
2. Does the tonnage tickets match the Contractor's Quality Control reports?				
3. Unit price adjustment for each composite pay factor percentage adjustment? Paid on the monthly estimate				
4. Asphalt Pay item paid per Specifications (up to 105% adjustments) made on the monthly estimate	Section 234, 285, 287, 334, 337,339			
5. Have penalties been assessed?	Specifications			
6. Roadway As-Built Pavement data form submitted appropriately into the Construction Automated Reporting System (CARS) System	CPAM CH 5			
b. Alternative Contracts (LS and DB)				
1. Is there a LOT Submittal Package for each adjustment to the lump sum price based on the composite pay factor worksheet?				
2. Fuel & bituminous adjustments in accordance with Contract?				
3. Are monthly payments shown on the Schedule Of Values (SOV)?				
4. Spread Rate Adjustments up to 105% per Specifications?				
5. Any Penalties? Have they been assessed per Specifications?				
IV- Concrete (Foundations, Substructure, and Superstructure)				
a. Records				
1. Are low strength failure penalties calculated according to Contract?				
2. Have adjustments to unit price been made?				

b. Piling verification:				
1. Authorized pile lengths provided?				
2. Payments for performed holes, buildups, splices, re-drives, cutoffs, and set checks documented in pile driving records and related to payment according to specifications?				
c. Drill Shafts				
1. Contract Documents reviewed for applicable specifications related to payments?				
V - Warranties				
a. Asphalt pavement	Section 337-338			
b. Bridge deck exp. joints, other bridge warranties	Section 401			
c. Bearing devices	Section 401			
d. Bridge electrical/ lighting system	Section 401			
e. Coatings	Section 401			
f. Concrete pavement	Section 355			
g. Design Build warranty (complete project)				
h. Bridge drainage system	Section 401			
i. ITS warranty				
j. Landscape installation	Section 580			
k. Post construction warranty (add-on)				
l. Traffic markings	Section 707-713			
m. Performance turf	Section 570			
n. Building warranties.				