

0060000 – CONTROL OF MATERIALS  
COMMENTS FROM INDUSTRY REVIEW

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Comments:

(Linda Houk) - My suggestion for a rewrite:

Separate items by paragraphs by type and office of acceptance (District Materials Offices or State Materials Office). Makes it a little easier to read.

Pipe handrails take out "pipe" simply "handrails" to cover whatever type of handrail is designed  
Add the statement at the beginning of the steel information "including all components" because each of these products will have attachment type products,

Finally, the information must include the phrase "not limited to", so that our specification does not limit the Department if we need to investigate further.

6-8.4 Quality Control Program Approval: Producers of cementitious materials and aggregates must submit their proposed Quality Control Program (QCP) to the State Materials Office (SMO) for approval.

Producers of asphalt mixes, Portland cement, concrete (structural), earthwork, timber, drainage products, and prestressed and precast concrete products must submit their proposed QCP to the local District Materials Office (DMO) for acceptance. Producers located outside Florida must contact the SMO for address information of the DMO responsible for the review of their QCP.

Fabricators of structural steel, aluminum, and miscellaneous metals products including all components, but not limited to, steel bridge, movable bridge machinery/gears, overhead cantilever and truss sign supports, ladders and platforms, light poles, mast arms, bearings, expansion joints, shear connectors, connectors (nuts and bolts), handrails, guardrail, end wall grates, roadway gratings, drainage, including components and other metal products must submit their proposed QCP to the SMO for approval.

Metal Coating facilities must submit their QCP to the SMO for approval.

Response:

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Mayur Patel  
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Comments:

Paragraph 6-8 and all sub-paragraphs: All changes, except in 6-8.4, from "approved" to "accepted". I assume that Construction and Materials Offices have agreed to change the scope of project level approval of the Contractor's QC Plan. PLEASE CONTACT ME AND CONFIRM.

For last four years of the Contract Quality Control business practice, the Department policy was that the Department has a contract with prime contractor ONLY and NOT with the Producer, and hence “approval” of the prime contractor’s QC Plan included approval of all Producers’ QC Programs. This was the mile stone in the process of Producer QC Program. Section 6 reflected this by using the word “approved”.

“Accepted” word was used to demonstrated the Department’s practice of having producers on the list whose QC Programs were reviewed by the Department and found to be in line with the Deaprtment’s expectations. By providing this list of “Producers with ‘accepted’ QC Programs”, the Department restricted the prime contractor from choosing a producer whose QC program was unknown to the Department and could take weeks or months for getting approval, delaying the commencement of work. This practice allowed the Department of being proactive in working with producers and preparing them to the Department standards without having an administrative rule that would “approve” the producers to work with the Department.

Approval at the project level for producers also allowed the Department to review if the producer had to meet some project specific requirements.

Since the standard specifications are a part of contract documents, changing the language from “approved” to “accepted” implies that project level approval is no more necessary. IF THIS IS TRUE, section 105 and other material specific sections (e.g. 334, 346), and CPAM and Materials Manual needs to be should be reviewed for consistency, and updated to reflect “no action” at the project level by the Department or the prime contractor or the producers related to producers QC Program requirements. IF THE POLICY HAS NOT CHANGED, the proposed change needs to be pulled back in most of the instances in he paragraph 6-8.

Paragraph 6-8.2: Separate the 2nd sentence for concrete producer requirements as a sub paragraph or in the same order of the paragraph 6-8.2.

Paragraph 6-8.2 Title: Propose to move the addition "Quality Control Program" to the beginning of the title to read “Quality Control Program for.....”. As an alternative, delete “Producers of” and make all words to singular instead of plural and leave the addition at the end.

Paragraph 6-8.3 Title: Same as proposed for the paragraph 6-8.2.

Paragraph 6-8.4, Sub paragraph 2 and 3: the original language is more appropriate. Propose to delete the changes from “Program” to “Plan”. The the scope of the process covers more than just QC Plan acceptance.

**Response:**

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Comments:

The changes to section 6-8.1 defining the various steel and miscellaneous metal products to be covered under the QC plan place a significant responsibility on the contractor's QC Manager. Many of these are specialty items handled by specialty engineers and subcontractors. Currently there is no CTQP certification or other training specific to inspection of these items. If it is the Department's desire for this to be included in the QC Manager's responsibility, then a training program should be developed prior to implementation of this specification requirement.

Response:

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Greg Schiess  
FHWA

Comments:

Article 6-8, 3<sup>rd</sup> Paragraph – *Exceptions to these materials are Earthwork Non-Traffic Construction and Hot Mix Asphalt Traffic Levels A and B only when the Contractor has selected Option 2 Mixture Acceptance.*  
Hold, pending QC requirements for Earthwork.

Response:

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I have a recommended change to this specification. Need to change

6-8 Quality Control Program.

6-8.1 General: Meet the requirements of the ~~Department's approved~~ Quality Control Program for the production and construction of ~~Asphalt Mix~~ Hot Mix Asphalt, Portland Cement Concrete (Structural), Earthwork, Cementitious Materials, Timber, Steel and Miscellaneous Metals, Galvanized Metal Products, Prestressed and/or Precast Concrete Products and Drainage Products. Also include transportation, storage, placement and other related construction operations required by the Contract Documents.

Steel and Miscellaneous Metal products are steel bridge components, movable bridge components, overhead cantilevered sign supports, ladders and platforms, bearings, end wall grates, roadway gratings, metal drainage components, steel expansion joint and components, shear connectors, pipe handrails, galvanized steel woven wire farm fence, and guardrail.

In the last sentence shown above, it should read "...pipe handrails, galvanized steel fencing, and guardrail." Delete the words "woven" and "farm fence". This will clarify what we are requiring to be submitted in our QC Plans under Structural Steel and Miscellaneous Metals.

One other idea in this section. What about high mast lights and mast arms which are galvanized steel? Are they part of the QC program? I know that we have a section called "Galvanized Metal Products", but what is included in this large area of material? We have things like bolts, nuts, washers, street light arms, etc. Is Galvanized Metal Products inclusive of all things that are galvanized?

**Response:**

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