

**4000705 – CONCRETE STRUCTURES
RESPONSE TO COMMENTS FROM INDUSTRY REVIEW**

Bob Dion
URS Corp

Comments:

400-7.5 mentions 'Ready Mix concrete trucks.' Should this be '... concrete delivery trucks or 'concrete mixer trucks'? Is "Ready Mix" a manufacturers name or brand name? Should it be 'ready mix'? See 346-2.5.3.2, page 307.

Response: Response: The actual term is “Ready Mixed” and is common terminology used by Portland Cement Association (PCA), American Concrete Institute (ACI) and National Ready Mixed Concrete Association (NRMCA). I will revise the term to “Ready Mixed” to be inline with national associations and programs

Ghulam Mujtaba
State Materials Office

Comments:

The specification has been modified to allow the use of chutes made of aluminum for ready mixed concrete trucks. the second one is related to the deletion of the word "LOT"

1-Aluminum Chutes of Ready mixed Concrete Trucks,

In order to prevent the strength reduction of concrete due to reaction of concrete with aluminum, the chute should have a protective coating and it should be anodized. In my opinion, this condition should be included in the proposed change.

The approval of the aluminum for truck chutes will open the door for the use of aluminum in the testing equipment and other types of conveying chutes and troughs of less than 20 feet.

2-LOT deletion

The replacement of "lots of concrete" with "QC sample" will change the intent and meaning of the specification. The purpose of the specification is to identify location (area, volume, station, or length) of the structure where the concrete is placed and represented by strength tests. The intent is not the location **where the QC sample is placed**. The proposed specification requires identification of the **placement location of QC sample**. The placement locations of QC samples are in the test cylinder molds.

If it is necessary to change the word "LOT", I recommend that it should be replaced with "Truck Load" to read:

".....so that the placement locations of the various truck loads of concrete represented by strength test cylinders can be identified....."

Responses:

Answer to Q1; ACI has allowed the use of aluminum chutes for the placing of concrete for ready mix trucks only as long as the chutes are limited to 20 feet or less. The advantage of this change is that the lighter chutes are less stressful to truck operators that lift and place the chutes in there day to day operations. The aluminum will be lighter and safer because there is close to a 50% reduction in weight. In addition ACI has indicated that no adverse affects result from the use of aluminum chutes since the concrete is in contact with the chutes for such a very short period of time.

Answer to Q2; Agree, will change the terminology to identify the term LOT.

**Daniel F. Haldi
D-5, DCT
386-740-3516**

Comments:

Section -7.5: CHANGE approval of QCP to acceptance of ...

-7.5 last para: Place foundation concrete ... REMOVE foundation INSERT all against supporting moist surfaces ... since formwork, deck work, etc. is also all moisted prior to placement.

-7.7, last sentence: CHANGE to read ... so placement location represented by QC sample strength tests can be identified in case deficient strength It is the area of the placement that needs found not the QC sample (broken cylinder).

Comments complete - Thank you.

Responses:

Answer to Q1; Agree will make the change

Answer to Q2; Agree will make the change

Answer to Q3; Agree. I have added language that provides the requested intent.