

**JOB CA0610  
HOT SPRINGS – I-30 (WIDENING) (S)  
DECEMBER 7, 2016**

**Question:**

Standard Drawing RCB-3 on Plan Sheet 463, method 1 shows that the removal of headwalls, wings and apron is incidental to extending the culvert when the culvert is to be retained and extended. This detail also shows a minimum distance of box slab/walls/soffit to be removed for the purpose of tying into the existing rebar. However, there are eight instances on job CA0610 that show a section of culvert to be removed well beyond these minimum dimensions and an extension put back. These locations include 644 LF total of box culvert removals that are well beyond typical minimum dimensions for tying into existing rebar. Is it the intent of the Department that the removal of these culvert sections listed above be incidental to the new extensions paid as Class S Concrete - Roadway, or does the Department anticipate having a separate bid item for this 644 LF of box removals?

**Answer:**

Section 202.03 of the Standard Specifications indicates that removal of the existing culvert for extension should be included in the pay items for the extension. The additional break back was due to changing grade and the existing boxes not meeting requirements for depth of cover.

**Question:**

Will the Department provide plans to show existing utilities?

**Answer:**

The Construction plans will include above ground utilities. If the Contractor needs further information, please refer to the Utility Adjustments Special Provision and contact the appropriate utility for any addition information.

**Question:**

The specification calls for a geogrid manufactured with a HDPE polymer and as a bi-directional configuration (800 lb. in the machine and cross machine direction). Bi-directional geogrids are normally applied for base stabilization such as roadways, parking lots, foundation support, etc. For structures such as slopes, retaining walls compacted embankments, etc., a uniaxle geogrid with its primary strength in the machine direction to withstand the active earth forces from such structures apply. Would an alternate geogrid manufactured from a polyester (PET) as a uniaxle in lieu of biaxle be acceptable? This uni

axle geogrid would provide a much higher strength and be the norm for such applications as the Department has used previously for this pay item.

**Answer:**

Uniaxial Geogrid with 800 lb/ft Long Term Design Strength will be acceptable. Grid manufactured from Polyester, Polypropylene, and Polyethylene will be acceptable.