



Cochise County Engineering & Natural Resources

Public Programs...Personal Service
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The following document is to provide information supporting the pricing for the Robbs Road change orders that are being requested for Board approval which include seeding, driveway hard-surfacing, and culvert installation.

A. Seeding

- The original bid cost for seeding Robbs Road was \$4,550/Acre with 10 acres to be seeded, totaling \$45,500. This bid item was removed before Board approval as this task would be completed by Cochise County's Public Works Department. Due to staffing changes, seeding now needs to be completed by KE&G.
- The original scope for the seeding of Robbs Road was based on ADOT standard specifications as used on Davis Road. The Department adjusted the specification for Robbs Road and negotiated with KE&G to reduce the unit price to \$3,450/Acre for a total price of \$34,500 (\$11,000 less than the original bid):

B. Asphalt Driveways

- The original scope of the project included chip sealing all of the driveways. However, to increase durability for crossings over the drainage ditch it was determined that a 2" Thick MAG Spec. Asphalt (AC) will require less maintenance by county forces.
- KE&G's unit cost for the upgrades is \$22.76/SY (Square Yards) with 1,500 SY totaling \$34,140. The unit cost in tons is approximately \$216.00/Ton.
- Department cost estimation using ADOT pricing for the installation of AC for projects of similar size and scope determined that KE&G's cost was justifiable.

C. Corrugate Metal Pipe (CMP) Installation

- During construction, it was determined that the four eastern most driveways on the north side of Robbs Road would not be able to facilitate access due to grade adjustments caused by utility conflicts. To provide the same access these properties owners had prior to the Robbs Road improvements, installation of three (3) CMPs at each of these four locations is required.
- KE&G's unit cost for the installation of 28"x20" CMP squash (Equivalent to 24" round CMPs) is \$119.75/Linear Foot (LF), with 600 LF of CMP to be installed, for a total price of \$71,850.
- Department cost estimation using ADOT pricing for the installation of culverts for projects of similar size and scope determined that KE&G's cost was justifiable.