

The Afghanistan Engineering Support Program assembled this deliverable. It is an approved, official USAID document. Budget information contained herein is for illustrative purposes. All policy, personal, financial, and procurement sensitive information has been removed. Additional information on the report can be obtained from Firouz Rooyani, Tetra Tech Sr. VP International Operations, (703) 387-2151.



To: [REDACTED]
UNITED STATES EMBASSY

Fr: USAID-OIEE-AESP
TETRA TECH

Re: **Kabul Road Preliminary Costing**

Dt: June 15, 2011

This memorandum summarizes the Kabul Road Preliminary Costing analysis performed by Tetra Tech (TT) for the United States Agency for International Development (USAID).

TT has developed plans and cost estimates for four engineering alternatives aimed at improving local roadway conditions. The engineering plans, cross sections, details, and cost estimates for each alternative are provided in the attached documents. Each of the four alternatives is explained briefly below:

- **Option # 1** – Installation of 250 meters of aggregate base roadway, two reinforced concrete culverts, 250 meter long stone masonry drainage channel, and 140 meters of T-walls along the north side of the adjacent building. Total estimated cost is [REDACTED]
- **Option # 2** – Installation of 250 meters of aggregate base and asphalt roadway, one reinforced concrete culvert, 100 meters of earthen swale, a small retention basin upstream of the culvert at 0+00, and 140 meters of T-walls along the north side of the adjacent building. Total estimated cost is [REDACTED]
- **Option # 3** – Installation of 250 meters of aggregate base and asphalt roadway, two reinforced concrete culverts, 250 meter long stone masonry drainage channel, and 140 meters of T-walls along the north side of the adjacent building. Total estimated cost is [REDACTED]
- **Option # 4** – Installation of 250 meters of reinforced concrete roadway, two reinforced concrete culverts, 250 meter long stone masonry drainage channel, and 140 meters of T-walls along the north side of the adjacent building. Total estimated cost is [REDACTED]



Please contact M [REDACTED] or [REDACTED] with any questions or comments regarding this submittal.

Respectfully,

[REDACTED]

[REDACTED]

Deputy Chief of Party (OIEE-AESP)
Tetra Tech, Inc.

Cc: [REDACTED] (COTR-USAID)