

**12. Cost Data for Field Cost Estimate.** The field cost estimate is an estimate of the capital costs of a feature or project from award to construction; non-contract costs are not included. Cost data developed in previous or other studies (either by Reclamation or others) should be included with the design data submittal. Include a description or outline of estimating methods and data used. The following design data for feasibility and specifications levels designs should be considered for submittal:

- A. **Procurement Strategy.** Will solicitation be advertised and awarded under other than full and open competition? This includes solicitations which will be set aside under socio-economic programs that may limit competition or allow award to other than the lowest bid or proposal.
- B. Estimate of cost of ROW for all features including reservoirs, dams, and appurtenant works. Include supporting data:
  - (1) For reservoirs, include a curve showing estimated cost of ROW versus elevation of reservoir water surface from normal elevation to maximum estimated surcharge elevation or other physical or economic limit. Include supporting data.
- A. Information on local labor supply and labor problems.
- B. Local freight or trucking rates.
- C. Housing accommodations.
- D. Interest rate for economic studies.
- E. Power rate in mills per kilowatt-hour, interest rate, and plant factor for economic tunnel, and pipeline sizing studies in cases where transported water is pumped.
- F. Estimated cost for construction items which cannot readily be determined in the design office and include the supporting data:
  - (1) Clearing reservoir area and for removing or replacing private improvements in the area.
  - (2) Earthwork (common and rock), excavation with freehaul distance. For canals, include compacting embankment, canal lining, and borrow (with free haul distance)
  - (3) Riprap, guardrail, culverts, row fencing, and gates.
  - (4) Designated areas to be cleared of vegetation, with description of kinds, size, and density of growth. State recommended method of payment (i.e., lump-sum price for area with defined limits or unit price per acre for area with limits subject to change during construction). Use separate payment

items for clearly defined areas differing in growth density and difficulty of clearing operations. If vegetation to be cleared is very sparse or can be removed without special equipment or separate operations, the cost of clearing should be included in the prices bid for excavation or prices bid for other appropriate items of work.

- I. Where buildings are located within the area to be cleared by the prime contractor, and if disposal will be the contractor's responsibility, designate building groups by number and furnish detailed list of buildings for each group. Details should include general description, size, materials, and general condition. Drawings should be provided of these buildings, if available, that depict dimensions, construction materials, the structural system for the building, and major electrical and mechanical equipment. Determine if disposal will be the responsibility of the prime contractor. If not, submit dates when disposal will be completed by others.
- J. Information on important construction work that is in progress or planned in the vicinity and the presence of interested contractors or subcontractors in the area.
- K. If potential actions exceed anticipated funding, an assessment should be made as to whether the cost estimate will reflect incremental costs of these potential actions. Provide any known increment or arrangement of the incremental costs.
- L. Local and tribal taxes.
- M. Estimates of costs for relocating railroads, highways, roads, water systems, and other public utilities. Include supporting data.
- N. Method for projecting cost into the future if required.
- O. Cost of local materials (precast concrete, etc.).