

| Core Facility Revitalization (CFR) Project | | | | | | | |
|--|---|---|--|-------------|----------|--|----------|
| Preliminary Cost Estimate - B725 Renovation Point Estimate | | | | | | | |
| Date: 12/15/2016 | | | | | | | |
| WBS | WBS | WBS | WBS | Description | | | |
| Level 1 | Level 2 | Level 3 | Level 4 | | in \$K | | in \$K |
| 1.0 | Core Facility Revitalization | | | | | | |
| 1.01 | Project Design & Engineering | | | | | | \$5,520 |
| | 1.01.01 | A/E Preliminary & Final Design (9% Const. Budget) | | | \$4,556 | | |
| | 1.01.02 | CM Pre-construction Services & ICE (.5% Const. Budget) | | | \$240 | | |
| | 1.01.03 | Project Commissioning - Pre-construction | | | \$75 | | |
| | 1.01.04 | Project Management Pre-Construction | | | \$506 | | |
| | 1.01.05 | BNL/MPO Engineering Support Pre-Construction Phase | | | \$143 | | |
| 1.02 | Construction | | | | | | \$55,874 |
| | 1.02.01 | Site Preparation Activities | | | \$2,000 | | |
| | 1.02.02 | CFR Construction | | | \$42,485 | | |
| | | Add 1.2 MW IT Power | | | \$5,581 | | |
| | 1.02.03 | A/E Construction Administration Services (1% Const. Budget) | | | \$481 | | |
| | 1.02.04 | Project Commissioning - Construction | | | \$200 | | |
| | 1.02.05 | Project Management - Construction | | | \$1,724 | | |
| | 1.02.06 | Project Support - Construction | | | | | |
| | | 1.02.06.01 | BNL/MPO Engineering Support - Construction | | \$250 | | |
| | | 1.02.06.02 | BNL Field Support - Construction | | \$2,803 | | |
| | Escalation - (Included in CFR Const Est. @ 3% for 3 yrs.) | | | | | | |
| | Subtotal | | | | | | \$61,394 |
| | Total Project Contingency (20%) | | | | | | \$12,606 |
| | Total Estimated Cost (TEC) | | | | | | \$74,000 |
| 1.03 | Other Project Costs (OPC) | | | | | | |
| | 1.03.01 | Conceptual Design (BSA Cost) | | | \$850 | | \$850 |
| | Total Line Item Project Cost (TPC) | | | | | | \$74,850 |