

Core Facility Revitalization (CFR) Project
Preliminary Cost Estimate Range - B725 Renovation High Range

Date: 11/15/2016

| 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 | | | | \$6,412 |
| | | 1.01.01 | A/E Preliminary & Final Design (10% Const. Budget) | | \$5,192 | |
| | | 1.01.02 | CM Pre-construction Services & ICE (1% Const. Budget) | | \$496 | |
| | | 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 | | | | \$57,911 |
| | | 1.02.01 | Site Preparation Activities | | \$2,225 | |
| | | 1.02.02 | CFR Construction | | \$49,615 | |
| | | 1.02.03 | A/E Construction Administration Services (1.5% Const. Budget) | | \$744 | |
| | | 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 Const Est. @ 3% for 3 yrs.) | | | |
| | | Subtotal | | | | \$64,323 |
| | | Total Project Contingency (30%) | | | | \$19,297 |
| | | Total Estimated Cost (TEC) | | | | \$83,620 |
| | 1.03 | Other Project Costs (OPC) | | | | |
| | | 1.03.01 | Conceptual Design (BSA Cost) | | \$850 | \$850 |
| | | Total Line Item Project Cost (TPC) | | | | \$84,470 |