### A. Personnel
1. Joe Jones, Principal Investigator
   - 2011-12 AY salary is $72,000
     - 10% effort during AY (3 units) $7,200
     - 100% effort for 2 summer months $16,000
   - Graduate Research Assistants - TBN
     - Yr 1: 1 x 36 wks x 15 hrs/wk x $12/hr $6,480
     - Yrs 2 & 3: 2 x 36 wks x 15 hrs/wk x $12/hr $12,960
   - Mary Smith, Data Assistant
     - 50% effort, 12 months* $20,000
   - Total Personnel $49,680

### B. Fringe Benefits
- 45% of Item A1a $3,240
- 12.5% of Item A1b $2,000
- 10.5% of Item A2 $680
- 45% of Item A3 $9,000
   - Total Fringe Benefits $14,920

### C. Equipment
- Textronics Recorder - Model 1245 $5,200
   - Total Equipment $5,200

### D. Materials and Supplies
- Data Recorder Packs (20 x $150) $3,000
- Recorder Disks (10,000) $2,000
   - Total Materials and Supplies $5,000

### E. Travel
- Travel to Project Director's Meeting in Washington DC in Yrs 1 & 3 $1,170
  - Total Travel $1,170

### F. Contractual Agreements
- Subcontract to University of Oklahoma $30,000
  - PI at 5% effort $4,750
  - PI's Fringe Benefits @ OU's rate of 39% $1,853
  - Graduate student @ 36 wks x 15 hrs/wk x $12/hr $6,480
  - Student Fringe Benefits @ OU's rate of 15% $972
   - Total Contractual $30,000

### G. Other Direct Costs
- Publication Costs (page charges) $500
- Computer Costs $500
   - Total Other Direct Costs $500

### H. TOTAL DIRECT COSTS
- $106,470

### I. FACILITIES AND ADMINISTRATIVE COSTS
- 38% MTDC (excluding equipment and amount of sub over $25,000) $36,583
  - $112,064
  - $31,781

### J. TOTAL PROJECT BUDGET
- $143,053

*Includes a 3% salary increase in years 2 & 3 to cover potential cost of living and/or merit increases.