

# Example Budget Sheet for a NEES Related Project

**Note: Please add 50% overhead charge for the University of Texas at Austin**

**Last updated: January 25th, 2007**

**Project description:**

A NEES related project using T-Rex and Instrumentation Van at a site 1000 miles from Austin for seismic prospecting study. (700 miles + 300 miles from site to site (5 sites total))

**Step 1: Estimate of total time required for the testing**

Estimated time required for testing	15	hours	include shaking + relocating shaker
Realistic estimation of required time	30	hours	* 2 for Try out + mistakes + DAQ malfunction + others
<b>Total days of testing</b>	<b>5</b>	<b>days</b>	6 hours of vibration each day
Travel	4	days	4 travel days to and from Austin + 4 * 0.5 days from site to site
weekends	1	days	UT personnel is required to take one day off for every 6 days
<b>Days in the field</b>	<b>10</b>	<b>days</b>	

**Step 2: Estimate of cost of Equipment**

T-Rex			
	Highway	\$2,700	= 1000 mile * 2 * \$1.35 / mile (\$1.00 overweight permit + \$0.35 fuel)
	Vibrator	\$900	= Vibrator operating time * \$30/hr
Instrumentation Van			
	Highway	\$500	= 1000 mile * 2 * \$0.25 / mile
	Recording equipment	\$60	= Vibrator operating time * \$ 2 /hr
	Satellite equipment	\$840	= 3 hr * \$280/hr
<b>Total Equipment Cost:</b>		<b>\$5,000</b>	<b>Account category: Material and supply</b>

**Step 3: Estimate of cost of Travel and Expenses**

Per diem for 3 people	\$3,750	= 3 people * days in the field * \$125 /day / person
Airline tickets	\$500	= 1 person 1 trip
Rental car	\$500	
<b>Equipment breakdown induced travel*</b>		20% of estimated user traveling cost should be prepared in user budget nees@UTexas can only cover equipment break-down induced travel costs of the nees@UTexas personnel.
<b>Total Travel</b>	<b>\$4,750</b>	<b>Account category: Travel</b>

**Step 4: Estimate of other cost**

Material and supply	\$500	
Fuel supply truck	\$500	
Mobile phone service in the field		no charge for NEESR project
Site liability insurance**		
<b>Total Others</b>	<b>\$1,000</b>	<b>Account category: Material and supply</b>

**Step 5: Estimated total cost**

Total direct cost	\$10,750	
Indirect cost (50% overhead)	\$5,375	<b>Account category: Overhead</b>
<b>Total Cost</b>	<b>\$16,125</b>	

**Notes:**

\* nees@UTexas vibrators operate with pressures up to 4,000psi, and can output a ground force as high as 60,000 lbs. Components of the vehicle are under high pressure and strong vibration for a long period of time. From time to time, component can fail and field tests will be interrupted. Equipment repairing time ranges from 30 minutes to up to one month at a time. There is a limited amount of budget at nees@UTexas to cover travel cost resulting from equipment breakdown and other incidents. However, this is for nees@UTexas personnel and equipment only. Users are suggested to add an additional 20% of their traveling cost for unexpected equipment breakdown and other incidents.

\*\* Users are required to conduct site survey and purchase site liability insurance before field tests. The cost of the site liability insurance is estimated to be \$2,000 per-project.

\*\*\* Field test can not be conducted over national holidays.