• When bamboo grows it acts as a wall between highway and residence, creating a noise and pollution barrier, as well as providing visual relief from highways.
• Bamboo grows very quickly - mature in 3 years, versus trees which take 25 years to reach maximum pollution filtration.
• Filters the air, soil and water:
  » The leaves of the bamboo remove particulate matter, SO2, NOx, CO, CO2, VOC’s, ozone, and heavy metals, specifically from the air.
  » Produces oxygen, just like other plant life.
  » Bamboo doesn’t even need fresh water to grow, wastewater can be used - because it consumes vast quantities of nitrogen.
  » Within a few years, can effectively reduce storm water runoff and improve air quality.
• Helps create jobs - people would be needed to plant and maintain the plant(s).
• Creates biomass that can be harvested each year (for food, building materials, fuel, etc.).
• There are over 1000 species of bamboo from which climate tolerant species or species with specific qualities for end-use purposes can be selected.
• Low cost solution to air, water, and noise pollution.