

Huge fan silencing system reduces environmental noise.

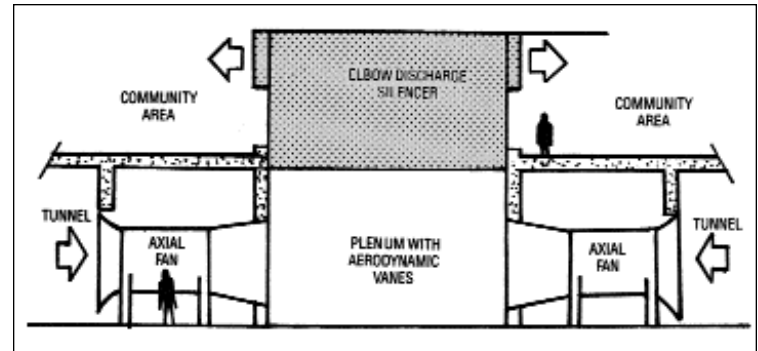
PROBLEM: Insufficient straight duct

There was no straight length of duct for standard silencing to control the noise from two large tunnel ventilation axial flow fans.

SOLUTION: T-elbow / plenum silencer

A huge T-elbow-plenum silencing system was supplied for air discharge in two directions. A combination of acoustic splitters and turning vanes maximize acoustic performance and minimize pressure drop.

NOTE: Double the space would be needed to accommodate standard rectangular silencers.



Schematic elevation of silencing system.