$$\begin{bmatrix} \frac{1}{\sqrt{2}} & 0 & 0 & \frac{\sqrt{3}}{4} & 0 & \frac{1}{4} & \frac{1}{4} & \frac{\sqrt{3}}{4} \end{bmatrix}^T \qquad \begin{array}{c} x_1 & 0 & 1 & x_1 \\ x_2 & 0 & 1 & x_2 & x_2 & 0 & 1 \\ 0 & 1 & 0 & 1 & 0 & 1 \\ 0 & 0 & \frac{\sqrt{3}}{4} & 0 & \frac{1}{4} & \frac{1}{4} & \frac{\sqrt{3}}{4} \\ \end{array}$$

 $(1/\sqrt{2}) |000\rangle + (\sqrt{3}/4) |011\rangle + (1/4) |101\rangle + (1/4) |110\rangle + (\sqrt{3}/4) |111\rangle$