Trim State -
$$V_{i}^{L} = 5m/s$$
 $\psi = 0$ and

 $X = \begin{bmatrix} x \\ y \\ z \end{bmatrix}$
 $V = 0 - 7$ $SF = 0 : [a, 5m/a, 5m/d] : [a, -b, my]$
 $Z = 0$
 $Z = 0$