

# Calculation report

06-05-2020

## Airport details

Name: Henrys Test Land  
Runway: 27L 09R  
Blast protection: -  
Strip end: -

## Obstacle details

Name: Boeing777  
Width: 100.0m  
Height: 25.0m  
(Distance) right threshold: 2853.0m  
(Distance) left threshold: 500.0m  
(Distance) center: 20.0m

## Re-declaration breakdown (to fix with real values...)

### 09L (Take Off Away, Landing Over):

TORA = Original TORA - Blast Protection - Distance from Threshold - Displaced Threshold  
= 3902 - 300 - -50 - 306  
= 2343

ASDA = (R) TORA + STOPWAY  
= 2343

TODA = (R) TORA + CLEARWAY  
= 2343

LDA = Original LDA - Distance from Threshold – Strip End - Slope Calculation  
= 3595 - -50 - 60 - 12\*50  
= 2343

### 29R (Take Off Away, Landing Over):

TORA = Original TORA - Blast Protection - Distance from Threshold - Displaced Threshold  
= 3902 - 300 - -50 - 306  
= 2343

ASDA = (R) TORA + STOPWAY  
= 2343

TODA = (R) TORA + CLEARWAY  
= 2343

LDA = Original LDA - Distance from Threshold – Strip End - Slope Calculation  
= 3595 - -50 - 60 - 12\*50  
= 2343

Runway designator	TORA	TODA	ASDA	LDA
Original Values				
27L	4000.0m	4100.0m	4000.0m	4000.0m
09R	4000.0m	4100.0m	4000.0m	4000.0m
Recalculated Values				
27L	3200.0m	3300.0m	3250.0m	2190.0m
09R	1543.0m	1543.0m	1543.0m	2553.0m

## Visualisation of re-declared distances

