Figure 7 shows the horizontal displacement and horizontal loading versus different thickness of loose bedding sand. The horizontal displacement of USCB Shell-R15 of 70 mm loose bedding sand thickness was 6.3 mm about 15% less than control block. It produced 5.6 kN the highest friction resistance with 41% better compared to others. Increasing loose bedding sand thickness, lead USCB Shell-R15 to increase the horizontal displacement, but little effect to horizontal loading except for 70 mm loose bedding sand thickness. 50 mm and 90 mm loose bedding sand thickness were increased 21% and 22% of friction resistance respectively. USCB Shell-R15 for 70 mm loose bedding sand thickness has shortest static friction, while 90 mm loose bedding sand thickness shows the opposite situation. Therefore, 70 mm loose bedding sand thickness give significant interaction between bedding sand thickness and USCB Shell-R15.