Surface waves are waves that propagate along an interface, with energy that is localized near the surface. A planar discontinuity in vorticity in two-dimensional inviscid, incompressible fluid flows supports surface waves. However, the formal contour dynamics equations for the infinite vorticity fronts in the two-dimensional incompressible Euler equations do not converge. In this talk, we will talk about how to overcome this difficulty to obtain meaningful well-formulated contour dynamics equations when the fronts are described as a graph. We will also discuss some properties of this equation, including an approximation result by the Burgers-Hilbert equation on cubically nonlinear timescales. (Received August 07, 2020)