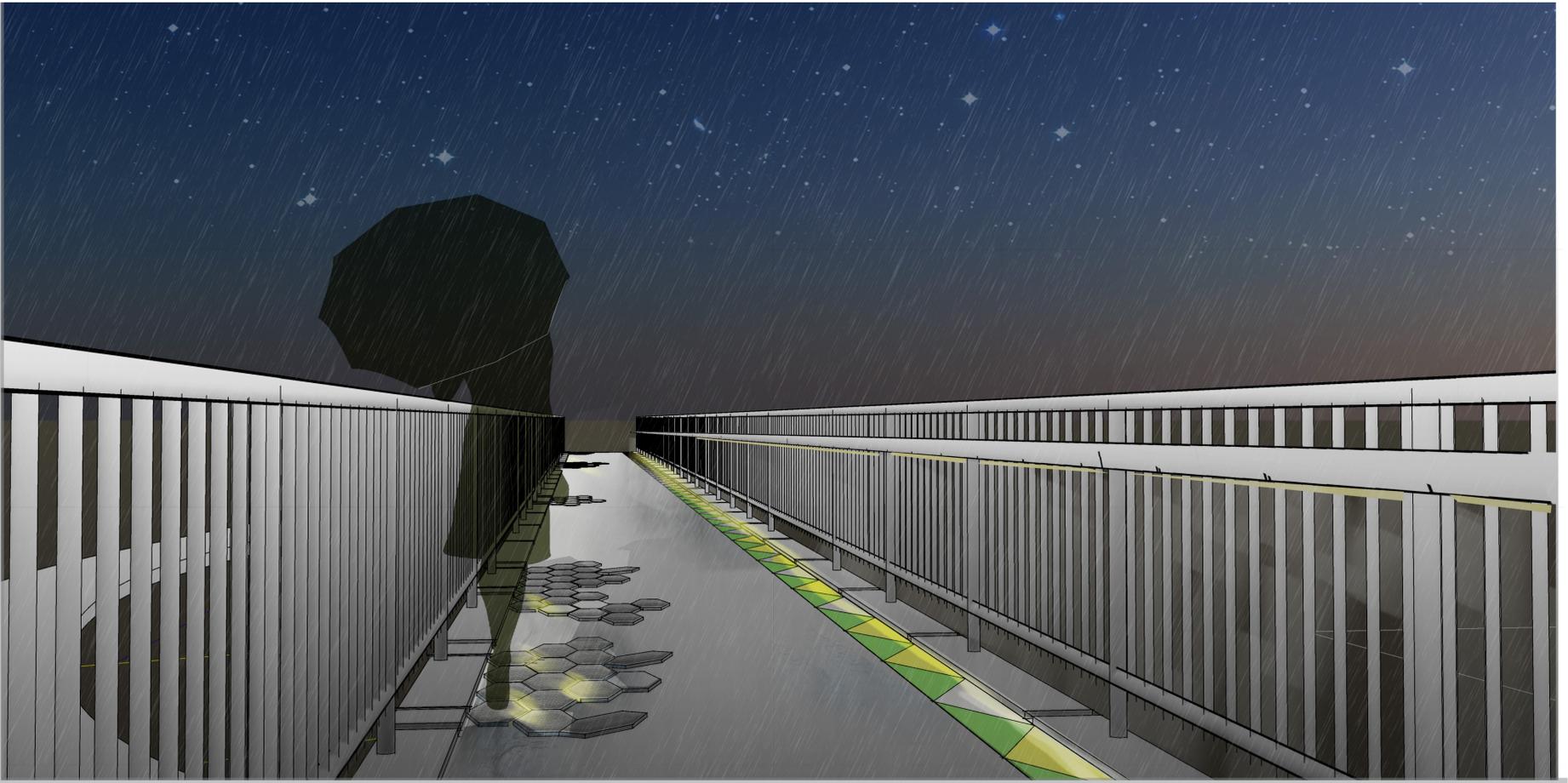
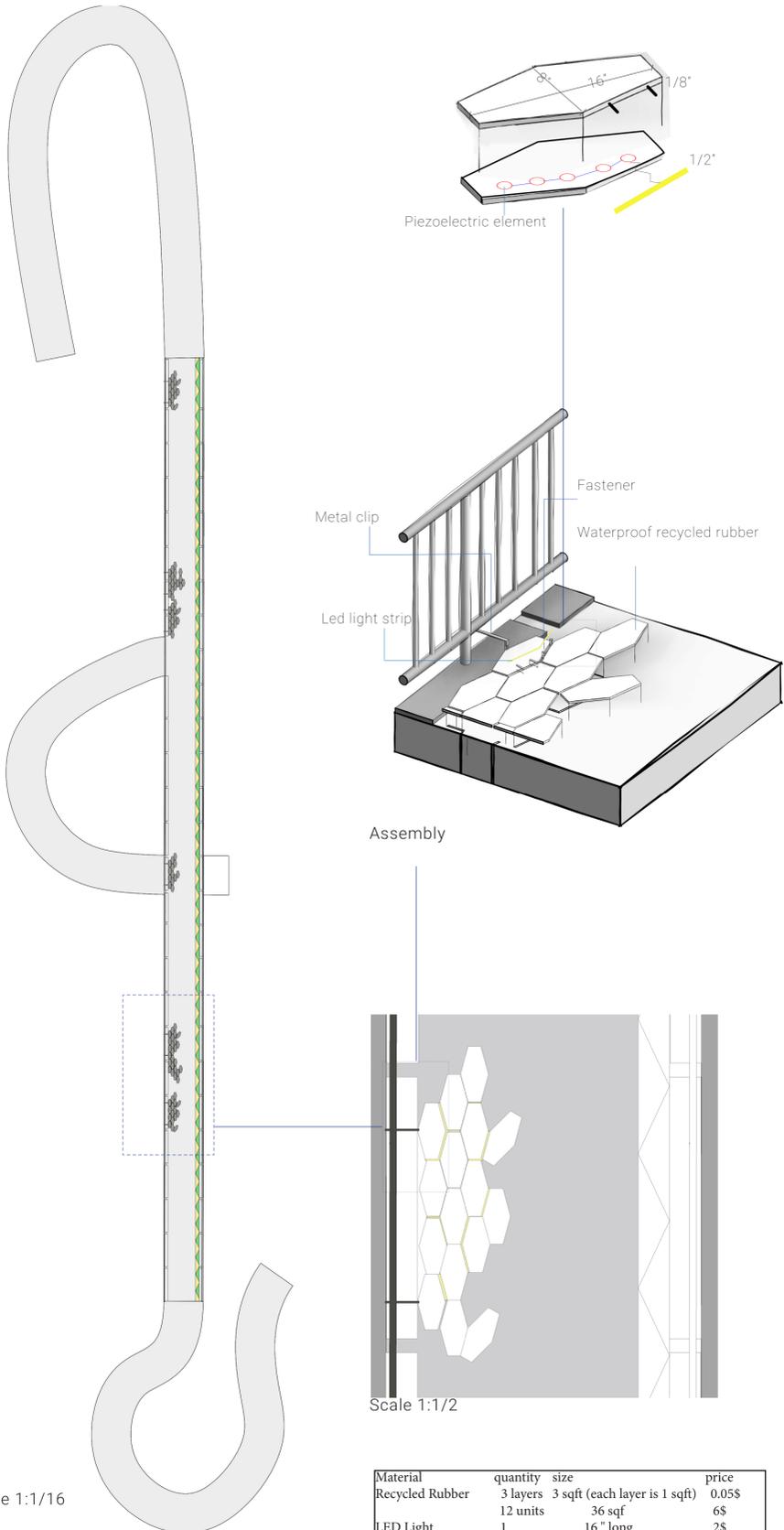
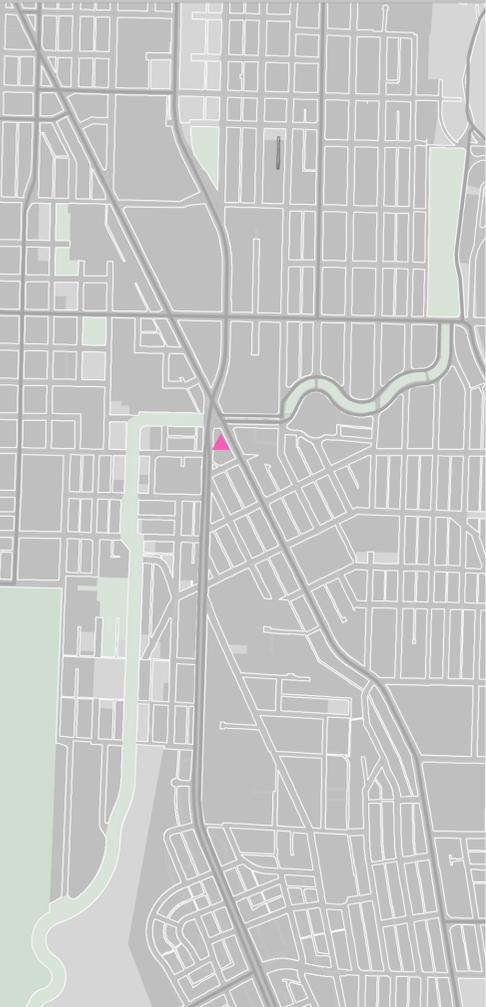


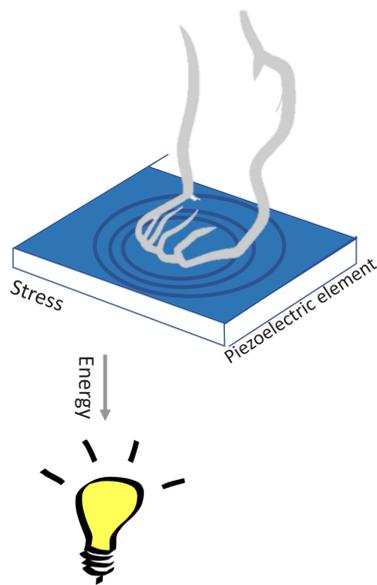
# The Energy Carpet



Walking through MT Baker neighborhood specially on the bridge crossing above Rainier Ave and Martin King intersection felt unwelcoming and unsafe because of the heavy cars flow under it, and poor light quality on it. Therefore, the installation of an element that would highlight the pedestrian flow is a helpful tool to enhance the pedestrian aspect. An Interactive pavement which lights up while walking above will increase safety on the bridge and turn it into a pleaser place to walk on. This will work well with Seattle's winter and fall seasons as the sun sets early. A change in the pavement texture reflects a walking friendly environment in the morning time. The energy to lighten the walk will be produced by the steps of the people. Installing piezoelectric material in between a recycled rubber will allow the the piezo to transform the motion into electricity that would travel to the light.



Material	quantity	size	price
Recycled Rubber	3 layers	3 sqft (each layer is 1 sqft)	0.05\$
LED Light	12 units	36 sqf	6\$
Piezoelectric	1	16" long	2\$
Prototype Total	3		3.55\$



Scale 1:1/16