

GT STUDIO

I GOT YOUR PROBLEM RIGHT HERE

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Project Name _____ Variable infrastructure _____

Project Description (How are you going about it now? How would you like to approach it differently? What type of materials are you using?)

This project is a speculative proposal for re-building 27 obsolete viaducs in Chicago in relationship to the Bloomingdale trail rehabilitation, envisioned to become an elevated green runway in the spirit of the High Line (NYC) or la Coulee Verte (Paris). Rather than focusing on the design of the landscape, this proposal comes up with a strategy for a component based system that assembles into bridges whose structural system is highly redundant and thus can deal with various site conditions - and thus span varied distances, follow different curvatures of the line (in plan), all based on the repetition of the same base component made out of bent steel pipe.

This project has been modeled in Digital Project once before where one bridge configuration has been developed as a case study - but no model was made that would truly allow for the number of components to increase either laterally or longitudinally.

Attendance at a recent Knowledge Pattern workshop brought me to realize that working with Knowledge patterns is what needs to be developed for this project - in order to be able to increase its granularity in multi-dimensions (X,Y).

While this project is speculative at this time it is possible that the idea for this type of infrastructure based on a relatively simple component could find a site and a client in the future. I believe this could be a great case study to partner on with Gehry Technologies.

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