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## See The Redevelopment Of The WTC In 4-D

By: Adam Balkin

*An online software modeling system shows a prediction of how progress will be made with the redevelopment of the new World Trade Center. NY1's Technology reporter Adam Balkin filed the following report.*

A software modeling system being used by the Lower Manhattan Construction Command Center, the organization charged with facilitating all of the construction south of Canal Street, is now offering a 4-D model of the redevelopment of the World Trade Center site. Like most software, it gives viewers a virtual glimpse at the future site's height, width and depth. There's also the fourth dimension of time, as the model predicts what will be constructed when.

"This program of Lower Manhattan is similar to any large program in its interdependencies, and you have to manage them. And to manage them, it helps if you can visualize them over time, and the 4-D helps you do that,"



says Robert Harvey of the LMCCC. "Allows you to extend drawings to the 3-D and then put time against it to be able to show the clashes, the interfaces, the areas that need to be dealt with to get the materials, the labor, the concrete, the steel, the trucks through this network to be able to rebuild the roadways at the same time."

The model can only estimate when certain elements will be completed, but it is a very sophisticated estimate. The 4-D model is primarily for construction coordination, but can also be used by anyone who lives, works, or visit Lower Manhattan to help navigate around the construction sites.

"People [will] be able to look at the website and push the time slider forward to see what streets will be out of commission, which lanes will be out of commission, which buildings will be at which stage of development, to be able to plan their lives around," says Harvey.

The LMCCC is right now integrating the 4-D model into its website at [www.lowermanhattan.info](http://www.lowermanhattan.info).

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