



This is a look up from the 86th Street Station construction site.

## Engineering Gotham From Below

From: **Bishop Sand**  
Length: **08:43**



The New York City Subway is a complex system that keeps NYC running and it is still being built. Hear the reasons for the initial construction, the first techniques used to build the system, and the current considerations from various NYC subway experts. **Read the full description.**

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### More from Bishop Sand

<p><b>Plasticity (09:52)</b> From: <b>Bishop Sand</b> What happens when visual information is sent to the hearing centers in the brain? Hear about this interesting experiment and more generally, why the brain can change to ...</p>	<p><b>Translate Sound to the Brain (15:49)</b> From: <b>Bishop Sand</b> Sound gets funneled down your ear canal and... then what happens? You've heard about drums, tiny bones, and maybe a spiral shaped sensor, but not like this. Hear how sound is ...</p>	<p><b>SHAZAM! (10:59)</b> From: <b>Bishop Sand</b> Avery Wang helped found the app, Shazam. This app is now part of our cultural consciousness as a flagship app for all smartphones because it is so simple – hold up your phone ...</p>
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<p><b>Subway Symphony (01:55)</b> From: <b>paul overton</b> A rhythmic ride from the Village to Harlem</p>	<p><b>Subculture (01:00:00)</b> From: <b>WFUV</b> A one-hour documentary celebrating the centennial of the New York City Subway</p>	<p><b>Building Information Modeling (01:25)</b> From: <b>Denis Du Bois</b> Businesses planning a major renovation or new building will need to know about this advanced technique used by architects.</p>
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### Piece Description

Hear historians, engineers, a former electrical superintendant, and sandhogs talk about the subway. We consider the first motivations for the city to build the system, the first construction techniques used, and the dangers involved. We also go inside the current second avenue subway tunnel - which is currently a rock cavern for the sounds and current techniques used to construct the subway. This program is part of the STEM Story Project -- distributed by PRX and made possible with funds from the Alfred P. Sloan Foundation.

### Intro and Outro

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OUTRO:

MANDATORY OUTRO: This production is part of the STEM Story Project, with support from the Alfred P. Sloan Foundation. Presented by PRX, the Public Radio Exchange.

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- Added to PRX ~11 days ago
- Produced: Jul 15, 2013
- Producers: **Bishop Sand**

**Piece Statistics**

- Bought by **WTIP** and **PRX Remix**.
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