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**RE: Atlantic Avenue Tunnel - Proposed Boring Location Plan**

From: **Matt Powers** (mpowers@brinkenv.com)  
Sent: Fri 1/28/11 5:12 PM  
To: 'lynn rakos' (lrakos@hotmail.com); janine@sharrisltd.com  
Cc: sam@sharrisltd.com; 'Laura Brinkerhoff' (lbrinkerhoff@brinkenv.com)

Lynn,

Based upon Brinkerhoff's interpolation of the geophysical data, the "heart of the anomaly radiates around the center of the street and slightly skewed towards the south. Brinkerhoff is finding it extremely difficult to determine if the large geomagnetic response is due to one (1) very large subsurface anomaly or a couple large anomalies. The actual anomaly is not as large as the image map portrays it. The is due to the anomaly containing a great deal of magnetic energy resulting in an elongated visual response. It is conceivable that the suspect locomotive is located between the middle and south sides of Atlantic Ave. and a separate smaller anomaly is located on the northern side of Atlantic Ave. Based upon Brinkerhoff's interpretation of the geophysical data, there is no question that something(s) metallic is buried under Atlantic Ave., its just a matter of what and in what orientation.

I as well found it odd for the signature to extend past the tunnels walls however; I am going to have to revert back to the shear size of the magnetic response as I mentioned above.

The blip to the east represents a magnetic response and may represent additional artifacts however; I do not feel that this response is large enough to represent a locomotive.

Brinkerhoff does not believe that the response is due to any surficial utilities that InfraMap identified.

Lynn, I hope I answered your questions but if I haven't, please feel free to contact me at anytime.

I hope you have a happy weekend as well.

Thank you,

Matthew D. Powers  
Director of Geophysical Services