



March 25, 2009

BROOKLYN HISTORIC RAILWAY ASSOCIATION
599 E 7th Street, Suite 5A
Brooklyn, NY 11218

ATTN.: Robert Diamond, President

RE: Atlantic Avenue Tunnel,
between Boerum Place and Columbia Street

SUBJECT: Structural Integrity Evaluation

Dear Mr. Diamond;

Pursuant to your request, we have performed an evaluation of the structural integrity of the referenced tunnel structure, based on visual inspection tour of the tunnel site, and review of reports of previous evaluations performed by others. This letter-report presents the results of our evaluation.

The inspection tour of the tunnel was performed by our senior engineer, Mr. Tony Onyeagoro, P.E., in the afternoon hours of Wednesday, March 25, 2009, assisted by one of your associates. Access and egress to the site were through a manhole located at the middle of the roadway, intersection of Atlantic Avenue and Court Street, Borough of Brooklyn. Visibility in the tunnel was generally subdued, but details of the structural elements were clearly observable using a flash light. Select, typical portions of the structure details were captured using flash-enabled *Canon PowerShot A540* camera.

The tunnel structure consists of a masonry block arched dome upper section, supported on either side by a wall made of varying-size stone or rock quarry, embedded in a matrix of very strong grout mix. The composition of the structural elements is relatively consistent for the entire length of the tunnel. Evidence of removed rail lines and ballasts are observable through out the general grade of the tunnel, which is firm with no sign of moisture or subsidence. The general condition of the tunnel structural elements, relative to previous reports, is impressively devoid of any sign of deterioration. All masonry block units appear to be intact, with no visible loosening of joints. Similarly, there was no observable loss of filler materials within the walls' stone matrices.

Accordingly, in concurrence with the findings of previous evaluations, please be advised that:

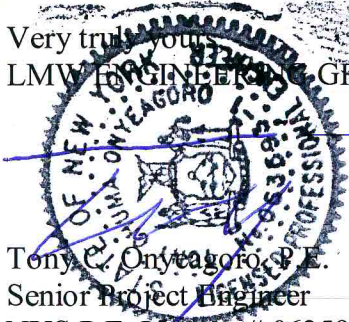
1. The tunnel structural members were inspected by our engineer.
2. The load carrying capacity of the tunnel is sufficient to support the anticipated loading (overburden and live load).
3. The non-load carrying members are secure.
4. The structural integrity of the tunnel is sound and has not been compromised by aging.

5. The tunnel can be considered safe under its current use for visitors and tourist attraction.
6. There is no evidence that any form of maintenance or repair work is necessary at this stage.
7. The tunnel can be safely, with relatively minimum rehabilitation effort, mostly esthetic, be utilized as a museum or similar facility.
8. In summary, the tunnel, as inspected by us, is a safe and sound structure.

We appreciate the opportunity to provide this service for you, and look forward to continuing involvement in this extraordinarily noble venture. If you have any questions regarding this letter-report, please feel free to call us.

Very truly yours,
LMW ENGINEERING GROUP, LLC

Tony C. Onoforo, P.E.
Senior Project Engineer
NYS P.E. License # 063593



A handwritten signature in blue ink, appearing to read "Tony C. Onoforo", written over a horizontal line.



