



# **WE TAKE PAYPAL and CREDIT CARDS**

**NYSSPE Long Island Chapters Present**  
**Wednesday – May 2, 2018, 6:00 pm – 8:00 pm**  
**Registration starts at 5:30pm; Dinner served at 5:45pm**  
**\$40 for Members & \$70 for Non-Members**

## **LOCATION:**

***Paradise Diner (buffet dinner)***

579 Vets Highway (Rt 454)

Hauppauge, NY 11788

Phone: 631-724-1778

*See attached map*

## **PROGRAM:**

**Long Island Railroad Bridge Engineering Asset Management**

**2 PDHs**

This seminar is about the challenges LIRR encountered and how it managed to reduce the state of good repair backlog of railroad bridges from 175 (34%) to 74 (14%) in seven (7) years by leveraging both capital and operating resources effectively.

Given the numerous risks factors related to an aging inventory of over five hundred (500) railroad bridges, more than 1,600 viaduct spans, and the perennial limitations to available resources, LIRR recognized a pressing need for a sophisticated tool used to prioritize Structures work and effectively allocate resources in such a way that the major objectives of safety and reliability are met at all times. LIRR developed and implemented a whole-life engineering asset management system that Engineering/Structures started using in 2009 to allocate resources, both capital and operating for line structures (bridges, viaducts). A prioritization index based on physical condition ratings, traffic, and load capacity rating factors was developed and used as tool to analyze the significant risks to be dealt with on the way to the state of good repair for LIRR line structures.

**Presented by: Horia Necula, PE**

Horia Necula, P.E. is the LIRR Asset Management leader responsible for the Line Structures Programs and the last three five-year Capital Programs, including the 2015-2019 Capital Program (\$170M). He is also the Bridge Asset Manager responsible for developing the annual state of good repair (SGR) work plans and long term priorities for LIRR line structures (bridges and viaducts).



**To register, send a reply email to: [regnow@nysspe-li.org](mailto:regnow@nysspe-li.org) by April 27, 2018**

**Make checks payable to: NYSSPE-Long Island Chapter**

**Return form and payment to:**

NYSSPE – Long Island Chapter

477 Miller Place Rd, Miller Place, NY 11764

Any questions, please email at [lpellizzi@nysspe-li.org](mailto:lpellizzi@nysspe-li.org)

**NYSSPE Long Island Chapter - Monthly Seminar Series**

**Wednesday, May 2, 2018 6:00 PM - 8:00 PM**

**Long Island Railroad  
Bridge Engineering Asset Management Program**

**\$40 for Members and \$70 for Non-Members**

**All fields must be completed**

<b>Name:</b>			
<b>E-Mail:</b>		<b>Phone:</b>	
<b>Member of NYSSPE:</b>		<b>Amount Enclosed:</b>	



[Paradise Diner 579 Veterans Hwy. Hauppauge, NY 11788](#)

located on the east side (Route 454) - before crossing (Route 347)  
Just 2 buildings away from (Route 111 crossing Route 454) - on the east side (Route 454)

**EAST**

**(East On Route 347)**

**East bound** on (Route 347) merge right onto (Route 454)  
first light (Route 111) make left turn. We are on the right.

**(East On LIE)**

**Exit 57** - 2nd light make left onto Route 454 / Veterans Hwy.  
We are the 2nd building on right crossing over Route 111.

**WEST**

**(West On Route 347)**

**West bound** on (Route 347) pass over (Route 454) make left turn at that first light after,  
merge right onto (Route 454) first light (Route 111) make left turn. We are on the right.

**(West On LIE)**

**Exit 57** - make right at the first light onto Route 454 / Veterans Hwy.  
We are the 2nd building on right crossing over Route 111.

(Route 454 is Veterans Hwy.)  
(Route 347 is Smithtown Bypass)  
(Route 111 is Wheeler Road)

