



VIA US AND ELECTRONIC MAIL

4/2/2020

Melanie A. Bachman, Esq.  
Executive Director/Staff Attorney  
The Connecticut Siting Council  
Ten Franklin Square  
New Britain, CT 06051

Re: The United Illuminating Company's Notice of Exempt Modification Pursuant to R.C.S.A. § 16-50j-58 to the Following Existing Energy Facility: **55 Congress Street, Bridgeport, CT** ("Notice of Exempt Modification")

Dear Attorney Bachman:

Pursuant to Regulations of Connecticut State Agencies ("R.C.S.A.") §16-50j-58, The United Illuminating Company ("UI" or "Company") hereby notifies the Connecticut Siting Council (the "Council") of its intent to make exempt modifications to the following substation: 55 Congress Street, Bridgeport, CT ("Facility" or "Congress").

As discussed in detail below, after a review of certain UI substations, the Company has determined that replacement of equipment related to structural inadequacies is required at Congress Substation.

The \$625 filing fee along with 2 copies of this Notice of Exempt Modification are enclosed herewith.

**55 Congress Street – Congress**

Described as:

Deed recorded at volume 1461 at page 296 on May 31, 1972 and Deed recorded in volume 1461 at page 439 on Jun 1, 1972. The parcels have been combined and are bounded as follows:

Beginning at the Northwest corner of the parcel herein described:

Thence running N 28°37'50" E 227 feet along N/F City of Bridgeport

Thence running S 66°28'33" E 210.04 feet along U.S. Harbor Line of the Pequonnock River

Thence running S 27°57' E 16.87

Thence running along a curved line radius 1939.6' 47.12 feet

Thence running N 64°00'55" W 13.02 feet

Thence running S 25°59'05" W 28.96 feet

Thence running S 64°00'55"E 13.45 feet

Thence running S 28°37'50" W 169.38 feet

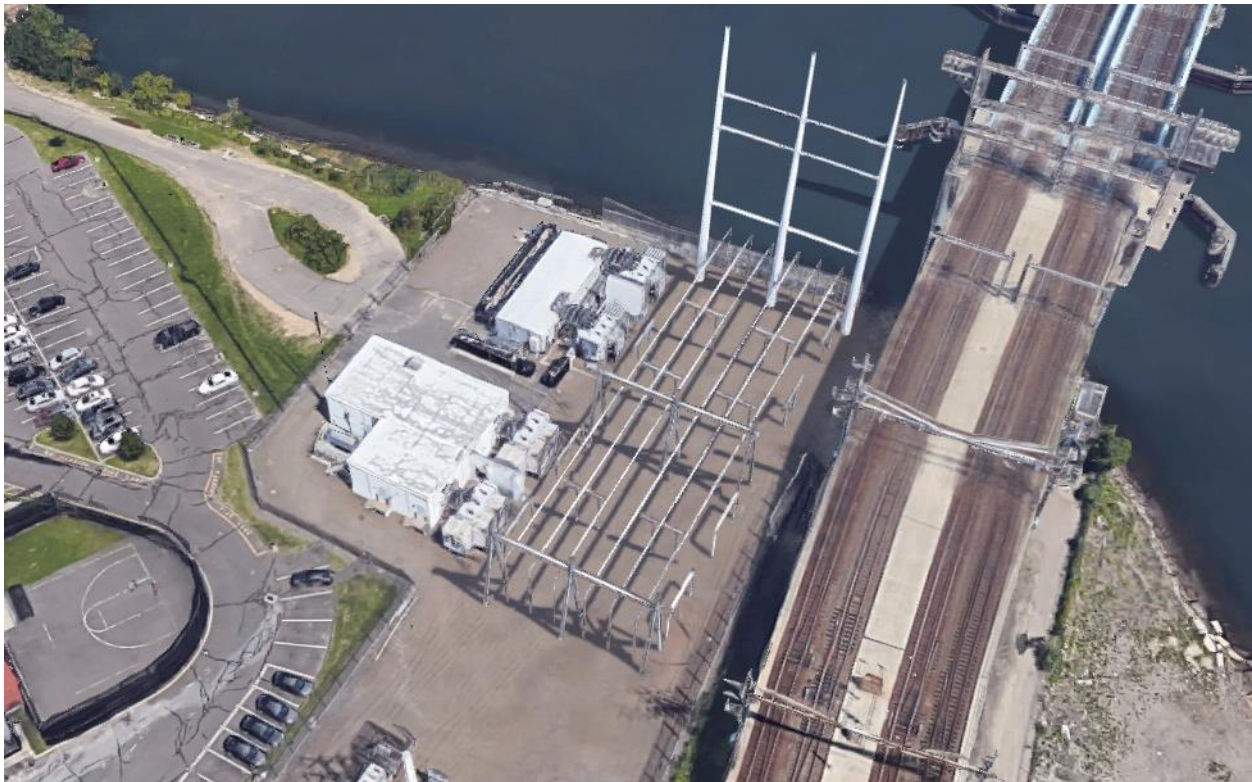
Thence along a curved line radius 1020.45' 100.05 feet all along N/F State of Connecticut;

Thence running N 61°22'10" W 125.90 feet

Thence running N 28°37'50" E 116.00 feet

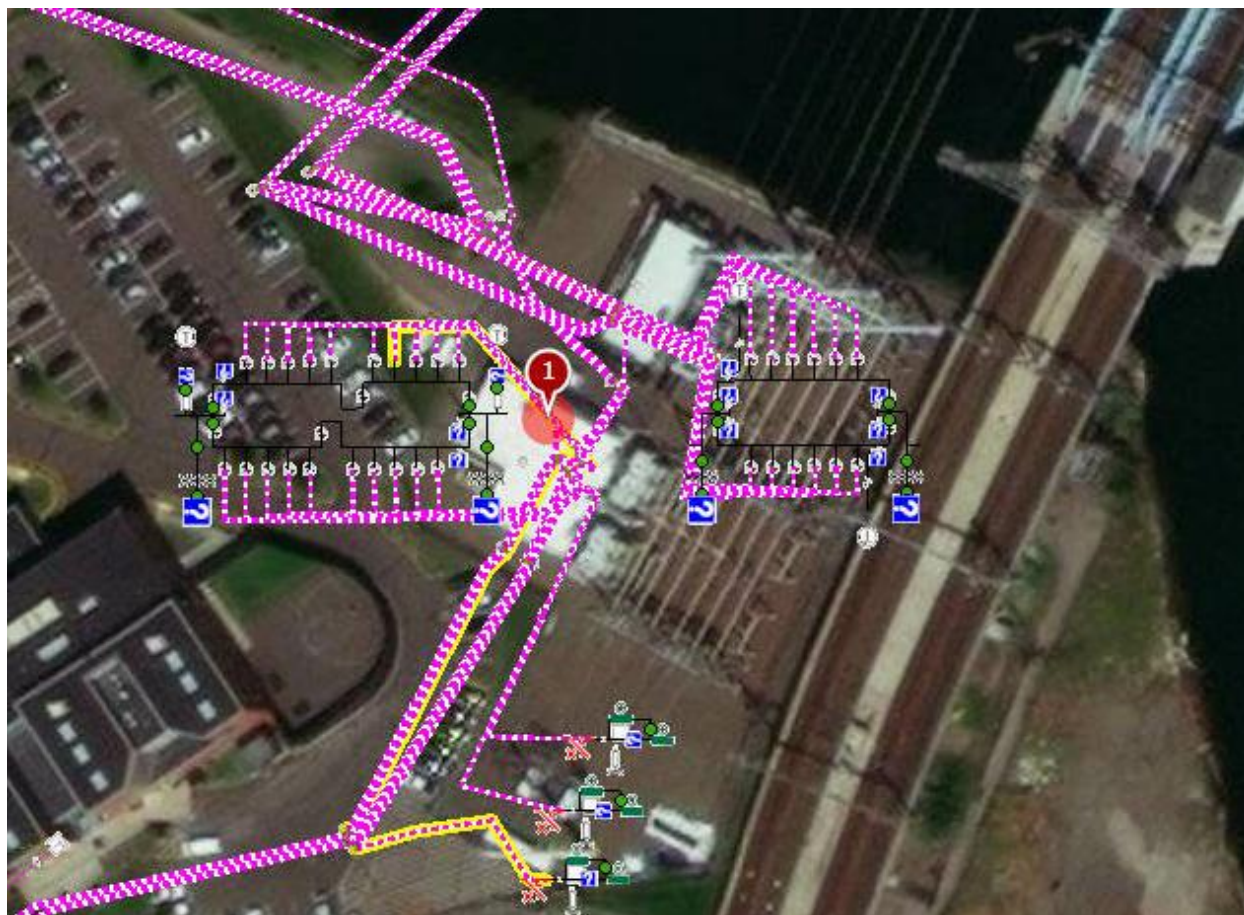
Thence running N 61°22'10" W 92.00 feet all along N/F City of Bridgeport

### **Aerial Photos of the Facility**



Congress Substation 55 Congress Street, Bridgeport CT 06608  
Source: Google Maps 2020

### GIS Photos of the Facility



Congress Substation 55 Congress Street, Bridgeport CT 06608  
Source: GIS Lite 3/18/2020

### **Congress Substation Scope of Work**

Engineering review and analysis performed by Realtime Utility Engineers has determined the following structural inadequacies with the existing bus yard at our Congress substation. These inadequacies are based upon the fault current conditions possible at this specific substation, and its effects on the existing equipment and structures. If stresses caused by fault current and environmental factors exceed the strength rating of any structural member or piece of equipment, it is deemed inadequate. The work being completed is considered like for like, and includes the following:

- Replace existing bus insulators with high strength insulators
- Replace existing steel switch columns with stronger members

Compliance with R.C.S.A. § 16-50j-57(b)

Pursuant to R.C.S.A. § 16-50j-57(b), the proposed changes do not constitute a modification to an existing facility that may have a substantial adverse environmental effect and are exempt from the requirement to obtain a certificate pursuant to Section 16-50k of the Connecticut General Statutes. Specifically, consistent with R.C.S.A. § 16-50j-57(b), the proposed changes to the existing site do not:

- (A) Extend the boundaries of the site beyond the existing fenced compound;
- (B) Increase the height of existing associated equipment;
- (C) Increase noise levels at the site boundary by 6 decibels or more, or to levels that exceed state and local criteria;
- (D) Impact electric and magnetic field levels at the site boundary in a manner that is inconsistent with the Council's Best Management practices for Electric and Magnetic Fields;
- (E) Cause a significant adverse change or alteration in the physical or environmental characteristics of the site; or
- (F) Impair the structural integrity of the facility, as determined in a certification provided by a professional engineer licensed in Connecticut, where applicable.

The project would not have a substantial adverse environmental effect or cause a significant adverse change or alteration in the physical or environmental characteristics because:

- (A) The proposed changes would be located within the Substation's existing fence line; the Substation's fenced area would not be expanded.
- (B) The equipment would be no taller than existing equipment within the Substation.
- (C) There would be no change to the existing television or radio interference resulting from the modifications of the Substation.
- (D) Sound-pressure levels at all points along properties lines would continue to meet state regulations set out in R.C.S.A. §§ 22a-69-1 et seq.
- (E) Electric and Magnetic field levels at the Substation boundary would not change as a result of the modifications.

UI intends to initiate the project, Design Adequacy Group 2, on or after the Council's acknowledgement that the proposed activities are exempt.

Please do not hesitate to contact me at 203-499-2586 should you have any questions regarding this notice.

Very truly yours,

A handwritten signature in blue ink, appearing to read "Amy Hicks".

Amy Hicks  
Outreach Specialist  
The United Illuminating Company

cc: The Honorable Joseph P. Ganim, Mayor, City of Bridgeport  
Jon Urquidi, PE, City Engineer, City of Bridgeport  
Jonathan Wolff, The United Illuminating Company

Attachments:

Attachment A: Replacement Examples

# ATTACHMENTS

## Attachment A



replace insulators  
with high strength  
insulators  
(example)





replace steel columns with stronger members