



Memorandum

To: Capital Facilities Director

From: Laura Langdon, Project Manager

Date: January 11, 2017

Re: Wind damage to the Egan Street light poles

Eight pedestrian light fixtures fell during the January 6th wind storm. Six more were compromised and at risk for falling. Two 30' lights were also damaged. Building Maintenance is securing the compromised six lights while a permanent solution is found.

The reason for the failures is still unclear, and there may be more than one. The engineers, the contractor, the manufacturer, the supplier, and the City are all investigating the cause or causes of these failures. We are investigating the wind speed ratings, the design, verifying the correct parts were ordered, installed, and installed correctly.

As shown in the pictures, the pedestrian lights had a total of 3 different failure points.

1. The most common failure was the front cover screws which hold the light on the mast arm. Five of the eight lights fell as a result and six more are missing 1 or 2 of these screws but the light remains still attached.
2. Two of the eight lights had a latch failure and then swung up and out of a hinge.
3. One light mast arm came off the pole due to rotated washers.

Two of the high 30' light poles were also damaged. One light arm bent downwards at a 45 degree angle. The other had a support wire snap.

Please refer to the attached photos.