



CITY COUNCIL AGENDA ITEMS

To: Mayor Graham and City Council
From: Dennis Sullivan, Director of Public Works
Walter Denton, City Administrator
Date: March 3, 2014
Subject: MOTION – Purchase of KIMCO Salt Conveyor System

List of committees that have reviewed: None.

Background: The City's Salt Storage Facility has a maximum capacity of 1,500+ tons, conservatively, based on engineering calculations without surcharging the roof structure with side force loading. (That is to say that only the concrete walls of the dome will be bearing the side loading of the salt pile. However, the City does not have a conveyor system to place salt in the domed facility. Instead, salt deliveries are dumped on the floor or outside the facility and the City's front end loader is used to push the salt into the dome and stack it as best the operator is capable of doing. The maximum storage height is about 10' on average across the facility's floor (approximately 1,000 tons of material). A conveyor system can deliver the salt to the floor of the dome at a height of 33' 6". The result will be storage of an additional 500 tons or more.

Why is the extra storage capacity significant? The past and current winter, while not producing record snow events have had enough sleet and ice to cause the City to use in excess of 1,000 tons of salt or deicing material per year. Mid-winter deliveries are necessary to ensure that enough salt is on hand to address these harsh winters. Mid-winter deliveries are not always available. The City was told in mid-January (2014) that salt deliveries were unlikely until late February (2014). So, far we have gotten by on the 1,000 tons we had at the beginning of the snow and ice season in November (2013) and deliveries of about 300 tons of salt in December (2013).

Legal Considerations, if any: This equipment item is on a State of Illinois purchasing contract.

Budget Impact: There is currently funding available in the FY14 Streets Budget to cover the cost of this item. It was not previously budgeted for in FY14 or within the proposed FY15 Budget as no regional competitors were found that provided the anti-corrosion specifications for a conveyor system like the KIMCO model, built of stainless steel. (see attached).

Staff recommendation: Staff recommends purchase of the conveyor system in the state contract amount of \$41,463.75.