

CITY OF VALDEZ MEMORANDUM – PAGE 1 of 2

To: Elke Doom, City Manager
From: Dean Day, Capital Facilities Director
Date: July 13, 2017
Subj: Alyeska Workers Statue – Update and ongoing costs

The Alyeska Workers Statue is a hollow bronze casting that is about 11 feet high and roughly 10 feet in diameter. The Statue resides on the terminal at Alyeska and sits on an 11 foot in diameter concrete foundation at least 4 feet deep and the foundation is set in a large (20 feet in diameter?) concrete base below the foundation. The foundation was covered in decorative rip rap style rock. We had no idea of how the statue was attached to the concrete until Mayor Knight researched and contacted several people. Now we believe the statue is anchored directly into the concrete by anchor bolts. We have paid Harris Sand & Gravel \$ 4,900 to chip the decorative rocks off the concrete base / explore the structure, and with that and Mayor Knight's research, we know what we know.

The statue is relatively fragile with things like casts of arms, welding rod, hammers, etc, sticking out from the body of the statue. It will be easy to break things off if we are not careful. We thought about hammering our way under the statue to detach it from the concrete, but we are afraid of hitting and breaking anchor bolts, and cracking / rattling items off the statue. We have a quote from Alaska Concrete Sawing for \$ 32,895, to saw the 11 foot diameter concrete foundation as low as we can get it (probably about 3 feet down or so before we run into the other concrete). If we can do this we are cutting re-bar, and not the anchor bolts. Alaska Concrete Sawing is on terminal for a more few weeks and they have the needed paperwork to work there. We have a much better chance of not breaking something by sawing. Sawing also gives us a relatively flat surface on the bottom to rest the statue on. That facilitates being able to support and stand the statue up while transporting on a low boy trailer. Harris Sand and Gravel has given us a quote of \$ 4,892 to loosely supervise the cutting, get anchors installed for lifting, and transport the statue off the terminal. We think the statue and concrete will weigh at least 50,000 pounds. North Star has a crane large enough that will lift the statue and concrete. Rumor has it that North Star will graciously offer to donate the crane time. That will be quite a sight having a 15 feet high statue and concrete standing up on a low boy.

\$42,687 gets the statue out of Alyeska but then what? PND Engineers has given us a quote of \$6,010 to design the foundation that the statue and concrete will be supported by at Kelsey Dock. I do not have quotes beyond that point as I am not sure what the final product will look like to get quotes. I presume setting the statue with a crane will be around \$ 5,000. I presume getting the new foundation formed and poured will be at least \$ 50,000, and there are probably several other costly things like hitting rock during excavation, fencing, restoring the decorative rock, and other things I can't think of right now that I will call "contingency" for \$ 20,000. We probably could make a small pipeline exhibit, etc. out of this area, but that's later. Sticker shock recap for the statue move and set with several guesses:

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| Rock removal / exploration..... | \$ 4,900 - quote |
| Saw Cutting..... | \$ 32,895 - quote |
| Lift with crane on terminal..... | \$ 0 – North Star donation? |
| Transport & unload..... | \$ 4,892 – quote |
| Structural design..... | \$ 6,010 - quote |
| Load, and crane set at Kelsey Dock.. | \$ 5,000 – guess |
| Concrete foundation..... | \$ 50,000 - guess |
| Contingency..... | \$ 20,000 – guess |
| TOTAL ESTIMATED COST..... | \$ 123,697 |