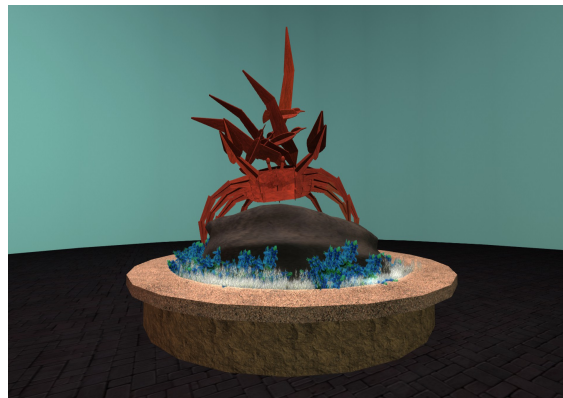


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PORT OF SIUSLAW
Sculpture Concept Proposal
5-25-2015

10

by: Michael McHugh llc.
P.O. Box 1033
Florence, Oregon 97439
541-997-4980



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20 Port of Siuslaw: Sculpture Proposal 5/25/15

by: Michael McHugh: Designer, Project Manager copyright 2015

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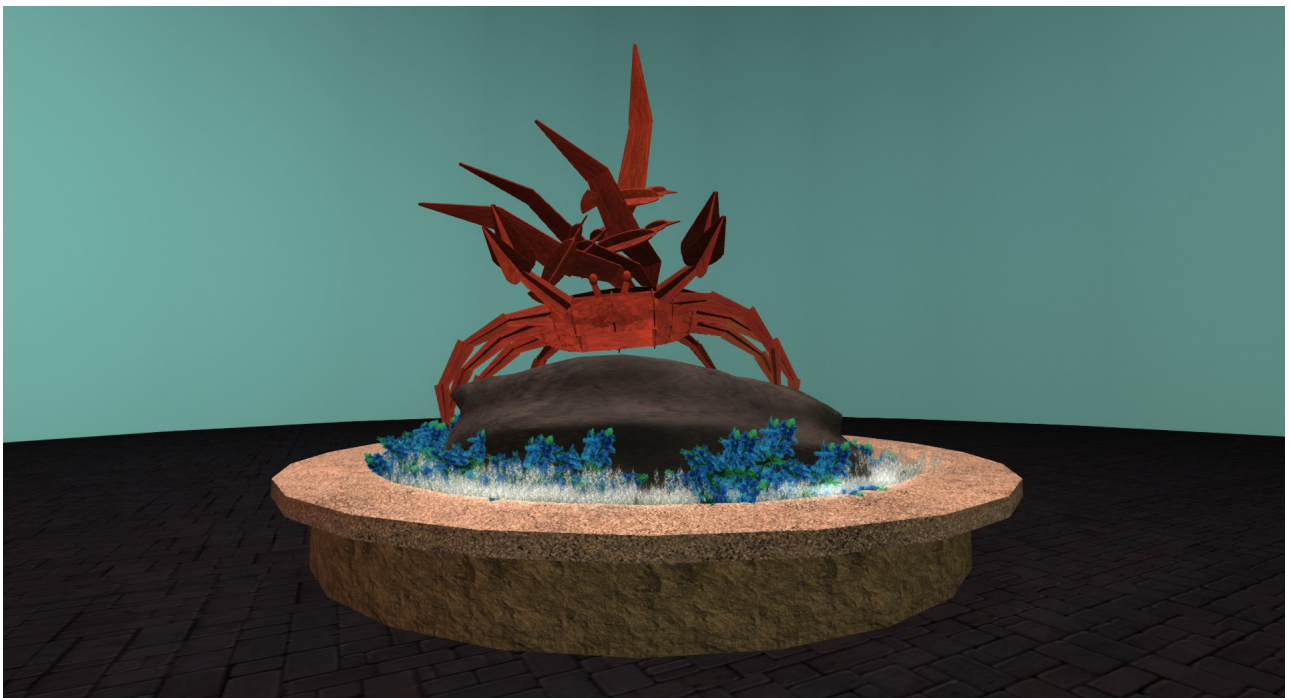
Pancho Clark: Sculptor/Welder/Fabricator

25 "OPTION A"

This is a "CONCEPT" proposal and not a final design.

There are many variables like engineering, material selection and public safety that impact the final fabrication costs. This is the first step.

Title: "Treasure of the Sea"



This is a piece that pays homage to the bounty of the ocean that this region is famous for, the Dungeness crab and in so doing, also honors the brave

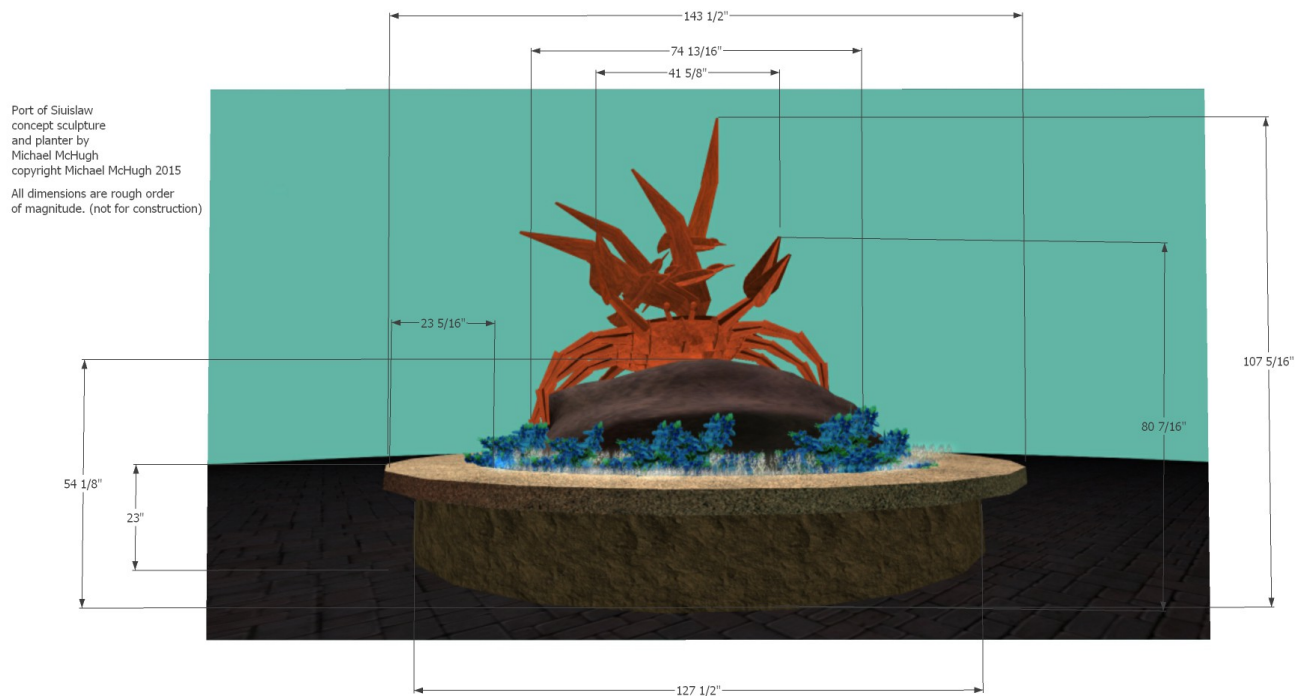
Copyright Michael McHugh 2015

fisherman that go out each season to bring them in.

<https://www.youtube.com/watch?v=qGejYwV3IF0&feature=youtu.be>

35 Be sure to click the “gear” in the player to select 1080 hd resolution.

Dimensions: ROM not for construction.



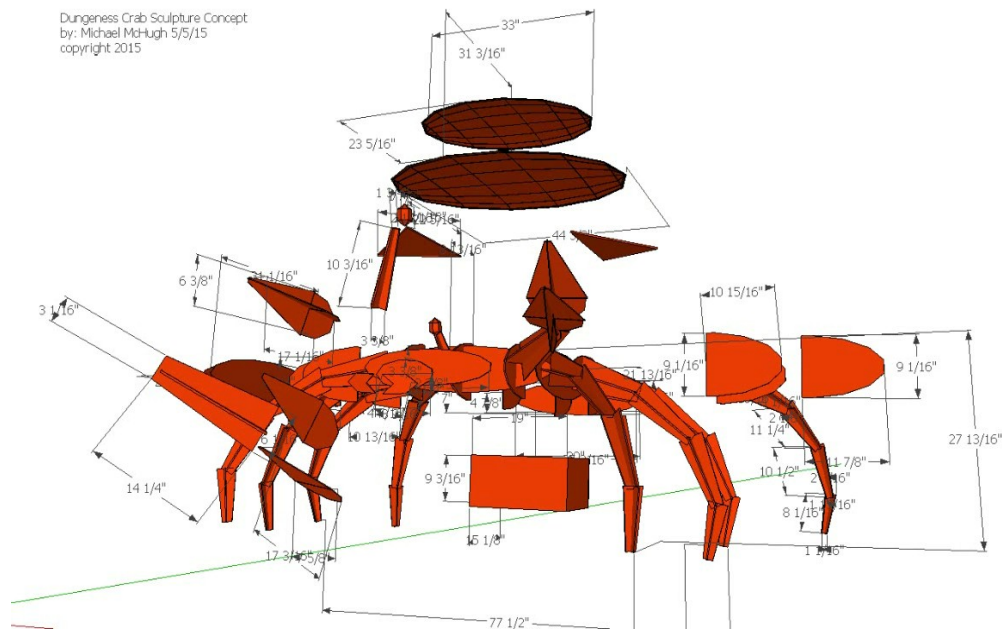
40

Design:

I approached the design as a “pre-cut slotted assembly solution” to ensure a responsible approach to designing to the budget and allowing the Port to

45 acquire a monumental sculptural piece at a reasonable price.

Dungeness Crab Sculpture Concept
by: Michael McHugh 5/5/15
copyright 2015



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55

Exploded model study video:

<https://www.youtube.com/watch?v=qaE3D7yNeqY>

60 I looked at several fabrication ideas before landing on this design. The work would use all flat steel stock and is priced for this exercise at .25 inch thick material. The first phase of the project has started. I built in the computer a concept model of the crab and gulls and then took it apart and sent those parts to a steel provider to get a rough estimate to water jet cut the parts in
65 various types of steel. I chose an overall crab size of approximately 6 feet across, leg tip to leg tip, as the medium crab size. Since it is in the computer, we can scale the crab either larger or smaller to allow exploring different design configurations and budget adjusting if that is required.

70 During the actual design phase we may discover some cost saving ideas that do not impact the visual integrity of the piece and we can easily explore different design configurations. I would like to refine the edge lines of the piece adding a more realistic organic line during the final design process.

75 **“OPTION A”**

Material costs:

1. CORTEN .25 inch.....\$2,463.00

80 2. STAINLESS .25 316L.....\$3,229.00

These numbers are for all the required materials, cut to size and shape and ready to prep, assemble and weld. Shipping from Portland is not included.

85 **Fabrication:**

There are in this community many qualified welders including port resources. I have been working and talking with Pancho Clark and Mark Reavis of Florence welding for different aspects of this project, both “Options A & B”

90 I have also talked briefly with Mike McAllister a local structural engineer since this is a public site someone like him should have some input as to welding specs and how the piece would integrate with the site.

This information would be helpful in finalizing the fabrication numbers.

95 **Required information:**

Engineering study and analysis of proposed design and site interface

Material selection by the Port. Either Corten or Stainless

Site interface:

100 By others:

This design places the piece in a planter with a concrete cast seating bench.

Inside is placed a large quarried rock similar to the rip-rap used for the local jetties to add local flavor.

105 The plantings would be local or regional flowering plants that reflect ocean or water colors.

Area up lighting for night-time enjoyment.

110 These elements would bring the piece closer to the public and could allow it to become the meeting place and resting place for Port visitors exploring the area.

The designer and team would work with the Port to properly install the piece on the provided site interface rock and planter.

115 It would also be a nice place to position a Florence interactive overall shops and restaurant directory with Wifi and instant access to local business web sites.

OPTION "A" SUMMARY:

Target Budget.....\$7,000.00

120

CONCEPT BUDGET:

Design and Art Direction: allow.....\$3,000.00

Materials:

CORTEN.....\$2,463.00

125

STAINLESS.....\$3,229.00

<http://mikemchughcreative.weebly.com/materials-and-fabrication-quotes.html>

Shipping: allow.....\$ TBD

130

Fabrication: (welder and helper) allow.....\$3,000.00

note: Fab cost will be more for Stainless

Fabrication supplies (rod/gas/electric) allow.....\$ TBD

Engineering:.....\$ TBD

Insurance:.....\$ TBD

135

Planter and foundation/rock allow.....\$ TBD

Installation: allow.....\$ TBD

Total \$

Rough "GUESSTIMATE" using CORTEN .25 inch material, sculpture only:
\$8,463.00

140

Allow 20% contingency for hidden costs.....\$1,692.00

Total rough "Guesstimate" pre-design review.....\$10,155.00

NOTE: STAINLESS STEEL WELDING MAY BE MORE EXPENSIVE

DOES NOT INCLUDE:

145 Extras:

Foam core study model to help pre-visualize and value

engineer the piece\$ 500.00

Installation labor and site integration.....\$ TBD

Shipping costs including delivery to site. \$ TBD

150 Equipment rental for installation. \$ TBD

Liability insurance. \$ TBD

Engineering \$ TBD

Planter/rock/plants/lighting \$ TBD

155 All fees for me on this project were based on my standard rate of \$65.00 per hour and then reduced by 50% to \$32.50 per hour because it is a local Florence project.

160 **Photo Gallery for both Options “A” & “B”:**

<http://mikemchughcreative.weebly.com/>

OPTION "B"

170 Port of Siuslaw Maritime Memorial "Concept" Sculpture.

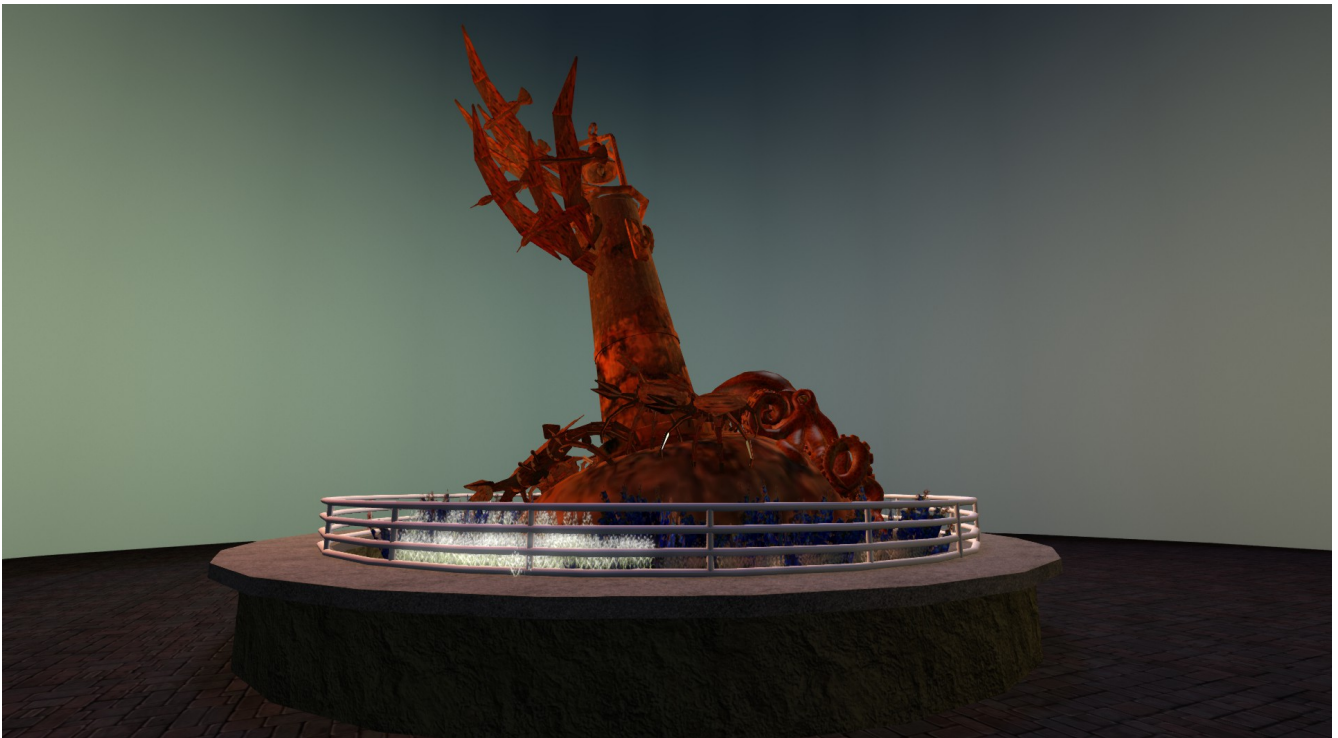
Designer: Michael McHugh

copyright 2015

This is a "CONCEPT" proposal and not a final design.

175 There are many variables like engineering, material selection and public safety that impact the final fabrication costs. This is the first step.

Title: "Harvest Storm"



180 This design concept looks at the wild dangers of the job of the fisherman and attempts to capture the feel and the energy of a Pacific Northwest storm as the boats return to the harbor past the river buoy scenic painted with rust to show and illustrate the timeless endeavor.

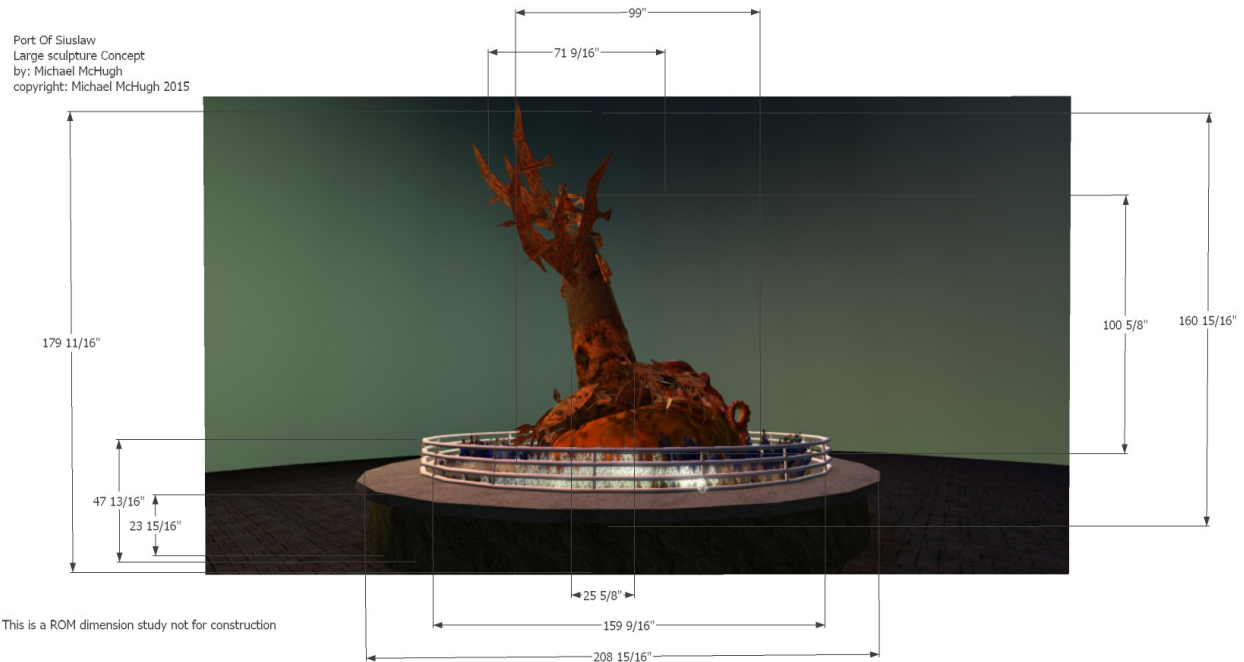
185 The dramatic angle of the buoy reminds us of the power of the ocean and pays visual homage to Gericault's "Raft of the Medusa".

<https://www.youtube.com/watch?v=dNBgTO9RMZI&feature=youtu.be>

190 Please remember to click the "gear" in the player to change the resolution to 1080 HD

I took the time to explore a design concept that caught my imagination as I was working on Option A.

195 This is a rough first pass concept design and would be refined with pencil sketches that would illustrate some unseen elements like starfish and bas-relief wave design patterns, as well as some Salmon leaping. The base of the buoy would be carved with a stylized wave pattern that plays with and evokes the crashing waves of the storm.



200 There are several ways to fabricate this piece.

After careful study and talking with fabricators I have worked with in the past that do similar projects for Disney, Universal Studios, The Oregon Coast Aquarium and Cabela's.

A rough estimate for this Option B design would fall in the \$70,000.00 to
205 \$80,000.00 price range. I did get a rough estimate from one vendor for an early design and can provide that if required. It came in at \$68,000.00 all inclusive except the handrail and some missing design elements and my design and direction fees.

Included:

All design and fabrication of all sculptural elements.

215 Shop drawings

Sculpted in high strength fiberglass over a steel armature using current high quality theme park trade standards and practices.

Scenic painting to reflect rusted aged look using high quality UV paints.

Planter base and seating in sculpted rock work.

220 Handrail: Possibly fabricated by local contractor..allow extra \$7,000.00.

Site installation

Excluded:

Footing for main sculpture and planter.

225 Engineering for interface structural elements

interface structural attachments to footing. Uprights out of concrete footing to attach sculpture to.

Liability insurance

230 **Summary:**

In order to produce this piece more cost effectively it might be worth the effort to explore using a mixed media approach and blend wood carving with steel work and rock work. However, this would present a whole new list of design and structural elements that would need to be studied and taken

235 into consideration.

I believe that approach, with good design direction and engineering oversight could bring the cost for “Option B” down to a more palatable number, of approximately 20 to 25 thousand for the sculptural elements, but still unfortunately, it would be above the \$7,000.00 target budget number. I would be happy to help you look at this as an option and help value engineer the design for a more cost effective solution using a local team of qualified artists and craftsman given good design direction and co-ordination.

245

Thank you, for considering these design and fabrication concepts and proposals. This has been a fun opportunity to explore some interesting design and fabrication possibilities.

250 Kind regards,

William Michael McHugh

541-997-4980

Resume' and online portfolio:

<http://www.freelanced.com/williammichaelmchugh>

255

see “about” on this link for resume' and click “portfolio” to organize the selections, then mouse over the “i” for more information of the pictures.

260

265

Overview:

For the past 35 year I have been involved in the creation design, fabrication and management of production of some wonderful entertainment projects around the world. I have been the lead designer/creator on many of these projects, as well as, hands on fabrication of various elements from a 23 foot anaconda for a movie to designing and field art directing the Miami Vice Action Spectacular Stunt Show at Universal Studios Hollywood and most recently co-developing the Kahramaa Awareness park attraction in Doha,Qatar, from my virtual production studio in Florence Oregon. I enjoy designing to a budget. It gives a little added spice to the creative process to have that extra level of creative challenge.

Pancho Clark:

Pancho is an award winning regional artist, sculptor and metal worker with over 40 years of real world welding and metal fabrication experience, from large scale ship building projects to intricate balancing lariat cowboys. He is currently exploring kinetic energy wind sculptures for public art projects.

Mark Reavis:

Florence Welding: Mark brings 40 years of fabrication expertise to the project taking on and delivering clean accurate and dependable steel/metal fabrication on all types of projects with a great eye for detail and safety.

<https://www.facebook.com/pages/Florence-Welding-Machine-Shop/142929259086131>