

PROJECT ADVISORY COMMITTEE (PAC)

Meeting #3 Summary

DATE: July 9th, 2013
RE: Tom Staed Veterans Memorial Bridge: Bridge Type

Discussion

- The third Project Advisory Committee Meeting focused on the bridge type. There are 4 different bridge designs:
 - Option A is the Historic Open Spandrel, which is a through arch design and was popular in the 1920's and 30's.
 - Option B is the Concentric Wave, which is based on an open spandrel with a modern twist and a-symmetrical arch. The wave shape symbolizes Daytona Beach and the strength of the men and women serving in the Military.
 - Option C is the Historic Tied Arch, which is a unique tied arch with shorter spans, more mass and historic feel.
 - Option D is the Sky Arch, which is more modern with slimmer beams and higher arches. Option D is the lightest option of the 4 designs.
- The goal of the meeting was to eliminate 1 design. The committee members voted to dedicate the bridge to the 5 Branches of Military and to include the Merchant Marines and other important services in the education elements. The slope of the bridge will be 6.5%, which is less than ISB at 7%. It was explained that the community does not want a 4 lane bridge. It would make more noise, have a higher speed, use more concrete and be less pedestrian friendly. The bridge will last for a minimum of 75 years. The budget is a maximum of 48 million dollars. Every design option can be done within the budget along with adding veteran historic elements. A major issue brought up was protecting the flow of the river. There would be a higher velocity flow with shorter bridge pillar spans. Option A is the most cost effective and option B is the most expensive due to the uniqueness. All are good in terms of maintenance, but Option C would have the most maintenance because it has the most surface area. It is possible to save time and money with precast concrete. The bridge will take about two years to build. Most of the committee members did not mention anything about option D. After a vote, option D was ruled out. It was voted to keep the art deco aspects of option D as a possible part of another design. Everyone agreed that they would like to see a variation of option C with an arch like option A. Also, everyone agreed that they would like to see a variation of the fortress aspect of option C onto option A.

Public Comments

- Most of the public liked options A and C. Many liked the fact of having coquina rock at the base of the piers to make the bridge look more historic. They would like to see a combination of option A and C. Two major concerns are that there must be sidewalks on both sides of the bridge and that the span length does not affect the flow of the river.