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THE KNIK ARM
CROSSING



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*a Concept
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Samples
Associates
Alta Mira ~ Alaska



Samples & Associates submitted a conceptual design for the Knik Arm Crossing for consideration by the Knik Arm Bridge & Toll Authority in March of this year. At a meeting on 18 April between William C. Samples, S&A's Director, KABATA's Executive Director Henry Springer, and members of the staff and board of KABATA the Concept was discussed and KABATA agreed to pass it on for consideration, without obligation, to the two groups short listed in the Public-Private Partnership process; the Knik Arm Crossing Consortium and the Knik Arm Crossing Contractors. Both are international conglomerates.

The Concept is comprised of civil, architectural, energy, and transportation systems to provide a comprehensive means to accomplish the following goals:

- Facilitate transportation between Anchorage and the MatSu.
- Create a landmark with visitor amenities.
- Reduce traffic and fuel, and provide alternate energy.
- Provide funding for construction, operation, and generate revenue.

Components of the Concept include:

- Innovative technology to create architectural spaces within the bridge. Sale of interior space can generate at least \$200,000,000 to offset construction costs.
- A midpoint park where gatherings may be held and visitors may enjoy the view.
- Development of tidal, wind, and solar sources for electrical production; renewable energy that will save at least 500,000,000 cubic feet of natural gas every year. Emission free energy sources that provide at least \$7,500,000 yearly in revenue.
- An integrated monorail system to reduce the traffic congestion in Anchorage, provide a means for tourists and locals to experience the majestic vistas of the Anchorage – MatSu area, reduce moose-vehicle collisions and winter accidents, and save 11,000,000 gallons of gasoline a year.
- It will provide much needed local revenue and jobs.

The Concept is a realistic approach to the stated and unstated parameters for creating a link between Anchorage and the MatSu across Knik Arm. It can serve as a prototype for incorporating traditional functions, such as esthetics and tourist and area resident use, and innovative elements, such as real estate development and electrical generation in one venture. The Concept is also a means to pay for major civil works with limited reliance on government funds or tolls collected from private users.

It is time to realize the often repeated promises to reduce the cost of government and develop economically feasible renewable emissionless energy sources, and energy saving development. Samples & Associates looks forward to working with all those share these ideals.

The complete Concept which details the goals and means of achieving them may be found online at www.samplesandassociates.com. Feel free to contact us.

William C. Samples
Director