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Alaska Top 5 Project Starts

June 1, 2010

By *Scott Blair*

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Photo: KPB ARCHITECTS/NEESER
Goose Creek Correctional Center



Photo: KUMIN ASSOCIATES/MAHLUM
Norton Sound Regional Hospital

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Photo: CRAIG SANDINE
Eielson AFB Military Family Housing Units Phase 1



Photo: HDR Inc.
Anchorage Sport Fish Hatchery

1. Goose Creek Correctional Center PROJECT COST: \$216 Million

Started: May 2009
Target Completion: February 2012
Owner: Mat-Su Borough; State of Alaska Dept. of Corrections
Design Firm: kpb/HOK/Durrant
General Contractor: Neeser Construction Inc.
Construction Manager: RISE Alaska
Engineers: DOWL HKM; Engineering Development Services; Coffman Engineers
Subcontractors: Acme Fence; Alaska Glazing; AQFP; Alcan Electric; Arthun Painting; Door Systems of Alaska; Engineered Control Systems; Smith Masonry; Superior Plumbing & Heating; Universal Roofing

This design-build project is located on a 150-acre site in Pt. MacKenzie with five separate structures totalling 450,000 sq ft. Located inside a secure double-fence perimeter, the general population housing and support services buildings are comprised of tilt-up concrete wall panels and steel. The outside administration, warehouse and vehicle maintenance structures are constructed using brace frame structural steel with insulated architectural metal panel wall systems.

2. Norton Sound Regional Hospital PROJECT COST: \$91 Million

Started: September 2009
Target Completion: August 2012
Owner: Norton Sound Health Corp.
Design Firm: Mahlum Architects; Kumin Associates
General Contractor: Neeser Construction Inc./Inuit Services
Engineers: Bristol Environmental & Engineering Corp.; Sparling; Notkin Engineering; BBFM Engineers
Subcontractors: Alaska Mechanical; Quality Electric

Funded by the American Recovery and Reinvestment Act, this 150,000-sq-ft, three-story, steel-frame structure will replace the existing hospital in Nome. Prior to erecting the structure, crews installed underground utilities and 18-in. steel frost pilings through the permafrost. The structure is raised and has a minimum 4-ft air space between the building soffit and the gravel pad.

3. Eielson AFB Military Family Housing Units Phase 1 PROJECT COST: \$73 Million

Started: May 2009
Target Completion: February 2011
Owner: Air Force Center for Engineering & the Environment (AFCEE)
General Contractor: Lakeshore Engineering Services (prime); Osborne Construction Co.
Design Firm: ORB Architects
Engineers: R & M Engineering; AHBL, Inc.; Spurlock & Associates; EIC Engineering; Errico Electrical Engineers
Subcontractors: Slayden Plumbing & Heating; Tsunami Electric, Inc.

This design/build project involves demolition of 132 military family housing units and construction of 129 JNCO/CGO replacement units in tri-plex and four-plex building configurations.

The project will pursue LEED silver or higher certification, and will include complete site development in the Galaxy Heights and Ravens Wood neighborhoods inclusive of the utilidor and utiliduct distribution systems for water, sewer, steam, condensate and glycol. The design complements the surrounding community while preserving natural areas.

4. Anchorage Sport Fish Hatchery PROJECT COST: \$73 Million

Started: May 2009
Target Completion: June 2011
Owner: Alaska Dept. of Fish & Game; Alaska DOT and Public Facilities
Lead Design: HDR Inc.
Architect: McCool Carlson Green
General Contractor: Kiewit Building Group
Engineers/Design Consultants: HDR Inc.; MBA Consulting Engineers; BBFM Engineers; PR Aqua
Subcontractors: Alcan Electrical & Eng.; Superior Plumbing & Heating

This 141,000-sq-ft facility located in Anchorage will be the largest indoor sport fish hatchery in North America, housing more than 100 circular fish rearing tanks ranging from 2 to 26 ft in diameter. The hatchery will incorporate advanced water recirculation and partial reuse aquaculture technologies to raise king and silver salmon, rainbow trout, arctic char and arctic grayling. The technology reduces the amount of fresh water required to raise the same quantity of fish, cutting energy and effluent water treatment costs.

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