



8. Public Safety Building

Project Description & Benefit: The Fire and Police Stations have been on the City of Homer Capital Improvement Plan independently for years. Both buildings are from the early 80s and in need of replacement. They suffer from a series of inadequacies such as lack of office, storage and training space and health and safety violations from inadequate ventilation.

A joint public safety building will create a central location for emergency response. It will allow the departments to work better together for the safety of the Homer residents. It will take advantage of shared spaces such as training rooms, a physical fitness area, a kitchen and break room, an entry with public restrooms, and a vehicle bay for washing city vehicles.

The current fire hall does not have adequate equipment storage bays. This means expensive equipment has to be stored outside and exposed to the elements. In the winter, this equipment has to be winterized and decommissioned due to lack of heated garage space. The fire hall does not meet fire station design criteria with separated biohazard decontamination/ cleaning areas or separated storage areas for cleaning medical supplies. It also lacks adequate space to accommodate more than four overnight crew members. Space is needed for eight people to sleep in the station without disrupting normal operations.

The current police station has no area for evidence processing of large items, a crisis cell for special needs prisoners, or a proper juvenile holding area. Existing dispatch facilities are too small. The jail entry area, booking room, and jail offices are poorly designed. Both facilities are inefficiently designed and will be difficult to retrofit with natural gas. A new building will take advantage of efficient building practices and be plumbed for natural gas.

A joint public safety building will benefit the entire Homer area. The Homer Police Department provides 9-1-1 services for many of the communities on the southern Kenai Peninsula and area-wide dispatching and support services to a host of agencies. Agencies such as the Coast Guard and State Parks could benefit from the expanded training spaces.

Plans & Progress: The City of Homer is in the process of identifying and securing land for the new facility

Total Project Cost: \$15,319,040
2013 (Site Determination)
2014-2015 Design: \$1,531,904
 2014 (to 10% Design): \$306,381
 2015 (to 100% Design): \$1,225,523
2016-2017 (Construction): \$13,021,184
2018 (Inspection): \$765,952

FY2015 State Request for Design: \$1,225,523
(20% City of Homer Match: \$306,380)



Homer Fire Hall in winter



Homer Police Department in winter

DRAFT



Cumberland County Public Safety Building

The Cumberland County Public Safety Center, including the 911 call and dispatch center were located within the basement of the County Prison. In 2007, the County contracted with Crabtree, Rohrbaugh & Associates to design a new facility that would meet their growing needs. The new facility would be a state-of-the-art complex, incorporating the existing communications tower located at the current site.

We evaluated the Feasibility Study previously provided to the County and identified various cost savings approaches to maintain the security of this facility. Primary design drivers include; Physical security, Technology integration, Public Training areas, and Building sustainability. Protection of the building was of paramount concern. The secure portion of the building is separated from the exterior and the public areas with blast resistant construction designed to meet the requirements of FEMA 361 including the ability to withstand winds of 190 MPH. Natural physical barriers provide security from motor vehicles with a standoff distance of 30'. Several accommodations are included to ensure that this facility will maintain operation in the most severe weather events. Multiple generators provide 150% backup power with on site fuel storage. Mechanical systems are within the envelope of the building enabling the closing off entirely from the exterior in case of airborne contaminants.

The project was bid in September of 2009 and came in \$1,000,000 under budget on a \$7,650,000 project scope. Our scope of work included full design, bidding, all project permitting efforts and complete construction administration services.

The Cumberland County Public Safety Building: Garage: the detached high bay garage was designed for storage of Emergency response vehicles, such as their mobile call center. The high volume of this space is instrumental to install and maintain equipment on the Emergency Management vehicle fleet. Updating radio, microwave, and various other communication equipment is critical to the continued success of this group.

Project Specifications

New Construction

Budget
\$5,705,480

Crabtree, Rohrbaugh & Associates Architects

<http://www.cra-architects.com/project/public-safety/cumberland-county-public-safety-building/>

Square Footage
24,800

Nome Public Safety Building

This building houses the police and ambulance departments of Nome, AK. Located on the by-pass road on the edge of town, it was designed to survive in the harsh environment, enhance the comfort of occupants and provide a model for energy efficiency. The building was oriented with the prevailing winter winds, and on pilings, to allow wind driven snow to sweep under the building and prevent the structure from thawing the permafrost below. Careful planning of window locations and sizes combined with daylight sensors reduces electricity needed to light the facility, especially in the summer. Built of insulated metal panels the building exterior is easy to maintain; resin wood panels at the entry bring warmth to people using the facility.

location:	Nome, AK
owner:	City of Nome
status:	Completed, 2010
size:	15,000 s.f.

The project began with a participatory planning process which brought members of the police, ambulance and fire department, state troopers and citizens of Nome together to determine the building needs. We worked through several design scenarios and helped the City of Nome obtain funding for the first phase of design.

The building was constructed directly by the City of Nome by a superintendent and construction crew hired locally. It was a joy to work directly with these individuals to design a building crafted to the specific skills and strengths of the local work crew. Total construction cost was \$7.2 million. Construction was completed in November 2010.

[pause](#) | [previous](#) | [next](#) | 10 of 12



Moseley Architects <http://www.moseleyarchitects.com/2013/06/06/warren-county-public-safety-building-earns-leed-gold/>

Warren County Public Safety Building Earns LEED Gold



U.S. Green Building Council announced Leadership in Energy and Environmental Design (LEED) Gold certification of Warren County's new Public Safety Building. The facility houses the Sheriff's Office, Department of Fire and Rescue Services and associated support spaces.

Warren County made sustainability a high priority in the design and construction of this 44,382-square-foot building, which officially opened in October 2012.

County Administrator Douglas P. Stanley noted that the achievement of LEED Gold certification "highlights the Warren County's efforts to be leaders in promoting responsible environmental stewardship in the construction and operation of its facilities. The long-term implications will reduce operating costs while providing a healthier environment for our workforce."

Tony Bell, a vice president with Moseley Architects and who worked with the county on the project, said "It's rewarding to work on a project that features design strategies that address energy use and conservation and demonstrate wisely investing taxpayer dollars."

Working towards LEED certification, Moseley Architects' design included reflective roof surfaces to minimize the heat island effect, solar thermal panels to preheat domestic hot water, a radiant sail and active beam heating and cooling system to reduce energy use by over 35 percent, and low-flow plumbing fixtures to reduce water use by 33 percent and to save approximately 133,000 gallons of water per year.

PUBLIC SAFETY SPACE NEEDS QUESTIONS

(Fire Dept. and Police)

Mark - Should we assume that **jail/dispatch/EOC** functions will stay in the current facility? If so, all the questions below should be answered with that in mind... NO. Our current building is not properly designed for jail or dispatch use and has no provision for an adequate EOC.

1. How many people work in your facility now (when it is most busy)? 10

2. How many people do you estimate will be working there in 30 years? 15

3. How many square feet do you have now, not counting vehicle storage? 6200

4. How many square feet do you have for vehicle storage? We have an un-enclosed carport area for vehicle storage. It is far less than adequate and is approximately 1200 sq. ft.

5. What features would you like to see in the new facility that you don't have currently? If you have a good idea how much space would be needed, please provide those figures. We have most of the spaces/features we need, they are too small or poorly designed. We would like to see an indoor shooting range in a new facility. It could be located in a basement area to be isolated from the rest of the building occupants for safety and sound separation. I estimate it would encompass 2600 sq. ft.

6. What space do you think could reasonably be shared by the Police and Fire Depts. at the new facility? Please provide square foot estimates if you can, for: I concur with Chief Painter on his estimates of shared space for meeting and training. I doubt that shared storage space will work for other than janitorial supplies. We can share kitchen and break room space. I think we'll need a large area for a gym and physical training, probably around 900 sq ft.

Meeting/training

Storage

Kitchen/break room

Physical training/therapy

Other (describe)

7. Considering your best estimates of staff size and vehicle fleet size/type and your recommendations for specific improvements in the new facility, how many square feet do you think you will need for the following:

Office space 2800 sq. ft.

Dormitories/living quarters

Meeting/training space, not counting shared space 200 sq. ft.

Storage space, not counting shared space 1600 sq. ft. indoor, 200 sq. ft. in a separate, outside building, secured.

Garage/vehicle storage 720 sq. ft. heated, 3 bays, one double and one securable single.

1500 sq. ft. un-heated, covered and enclosed, 6 bays.

Jail Space 1800

8. Please make any other comments that you think would be helpful at this stage in planning.

The jail should be in a separate wing but connected to the rest of the building by a securable entry way/hall. It will need a well designed entry area for in-coming prisoners and out going prisoners. It should also have a separate entry for visitors.

Dispatch should also be separated from the rest of the building occupants but doesn't necessarily need to be in its own wing. The design should keep dispatch a quiet work space with controlled access so that other building occupants do not need to walk by it for any reason during their work-days. The dispatchers need a small kitchen area and rest rooms immediately adjacent. It will need air conditioning and heat.

The building will need a radio/computer/equipment room with secure access. It will need to be a "clean room" with good climate controls.

Police officers and dispatchers will need their own locker room with an individual full size locker for each and a shower. This should be adjacent to the gym. It cannot be shared space.

The design needs to incorporate a gun vault, ammunition storage area and gun cleaning room.

This building will need an emergency generator / back-up power system.

**PUBLIC SAFETY SPACE NEEDS QUESTIONS – Fire Chief Bob Painter
(Fire Dept. and Police)**

1. How many people work in your facility now (when it is most busy)?

There are routinely 4 paid on-duty M-F 8 – 5 PM. ESS stay the night and on weekends. There may also be several members doing various things in the building. Training and drill nights could be 25-30 in house with parking and classroom space at a premium.

2. How many people do you estimate will be working there in 30 years?

Depends of course on budgetary restraints but short term, immediate needs are: Fire Chief, Asst. Chief, Department Services Coordinator and ESS (current staff) with the addition of a Training Coordinator and Fire Marshal/Plans Examiner. Within the next ten years it would be foreseeable to add two additional ESS personnel per shift for a daily full-time load of 8 personnel.

3. How many square feet do you have now, not counting vehicle storage?

There is 5,500 feet total downstairs (mixed apparatus bays, storage, work areas and mechanical spaces) and 3,000 upstairs.

4. How many square feet do you have for vehicle storage?

Out of the 5,500 sq. ft. downstairs I would estimate that 4,000 is parking area only.

5. What features would you like to see in the new facility that you don't have currently? If you have a good idea how much space would be needed, please provide those figures.

Larger training area with the ability to separate the space into smaller classrooms, or with 3-4 "break out" rooms immediately adjacent to the training/meeting room (could be used for conference, interrogation rooms as well) . We also desperately need a physical fitness area with both cardio and strength areas for concurrent use of 10-15 people at a time (2 treadmills, 2 stair climbers, a couple of "universal" type weight systems). We also need a larger public area with restroom facilities (handicap accessible) and an area for public education/fire department history to display our first fire truck (a 1948 Willeys Jeep). Perhaps 1,000 sq. ft. dedicated to this area plus restrooms.

6. What space do you think could reasonably be shared by the Police and Fire Depts. at the new facility? Please provide square foot estimates if you can, for:

Meeting/training : Overall about 4,000 sq. ft. dividable as mentioned above. Both HPD and HVFD have specific training needs that could be shared but would require close coordination of the space(s) to avoid conflict.

Storage: Probably not a good shared space resource. Both the police and fire have specific needs for "secure" storage of some items. There are of course things that could be shared such as janitorial supplies, dry goods (paper towels, etc.). We could combine records storage if they were secured but accessible to authorized personnel.

Kitchen/break room: Absolutely a great shared space area as long as it is large enough for several concurrent users. Storage of personal use items/food for those working is a must along with common use storage and preparation areas. I would estimate about 1,000 sq. ft of total space (storage, prep, appliances and eating area)

Physical training/therapy: Another excellent shared space. Both the fire and police department have (or should have) specific requirements for physical fitness and health. Right now many members are paying a premium for use of the Bay Club when there should be no cost to public safety employees to stay fit for the job that they are paid to do.

Other (describe): Vehicle wash/detail area separate from the "storage" areas of the apparatus bay. Weather dictates that we wash vehicles and equipment inside during much of the year. The water has to be removed from the building or it results in moisture problems (which contributed to the decay seen in the fire station). One dedicated bay could be more heavily constructed with available pressure sprayers, hot and cold water, soap and an improved drainage and moisture removal system that would allow a lesser degree of that in the rest of the apparatus bays.

7. Considering your best estimates of staff size and vehicle fleet size/type and your recommendations for specific improvements in the new facility, how many square feet do you think you will need for the following:

Office space: Watch Office, ESS Office, Training Office, Fire Marshals Office -300 sq.ft each.; Chiefs and Asst. Chief Offices- 400 sq. each (to allow small conferences etc.).

Dormitories/living quarters: four rooms with sleeping accommodations for 4 each approximately 625 sq. ft. each. Living Area/Commons at 1,000 sq. ft.

another alternative mentioned was 2 625 sq. ft. dorms and 4 70 sq. ft. residences*

Meeting/training space, not counting shared space: As above. All can be shared space, just required better coordination of the space. Otherwise the fire department would need a dedicated area that same as current, about 1,000 sq. ft.

Storage space, not counting shared space: 2,000 sq. ft. for fire gear, EMS equipment etc.

Garage/vehicle storage: Approximately 6,000 sq. ft in specific arrangements to allow shorter apparatus to be parked back to back

8. Please make any other comments that you think would be helpful at this stage in planning. I am a strong proponent of consolidation of space and combined facilities for several departments as long as certain spaces remain dedicated to city priorities. I don't want to have to fight other public uses when we have to schedule training etc..

Space Needs for New Public Safety Building

Numbers in square feet.

Proposed Shared Space		
Meeting/training	4,000	
Storage (janitor only)	100	
Kitchen/Break Room	1,000	
Physical Training	900	
Pubic Area/Restrooms	1,000	
Individual Space Needs	Police	Fire
Office	2,800	2,000
Indoor Storage	1,600	2,000
Outdoor Storage (secured)	200	
Garage/vechile Storage (heated)	720	6,000
Garage/vechile (covered)	1,500	
Jail Space	1,800	
Dorom/Living Quarters		3,500
Basement Shooting Range	800	

Total Vechile Storage Space	8,220
Total Indoor Space	21,700
Total Facility Space	29,920

Existing Space	Police	Fire
Total Vechile Storage Space	1,200	4,000
Total Indoor Space	6,200	4,500
Total Facility Space	7,400	8,500
Total P/F Combined		15,900



East to West Transportation Corridor

Project Description & Benefit: Currently the only way for drivers to get through town is Pioneer Avenue or the Sterling Highway. Extending Bartlett Street, putting in a road through Town Center, and acquiring and upgrading Waddell Way will provide an alternate east west route for traffic, easing congestion and allowing drivers to more quickly and efficiently get to their desired destination. This project fulfills a major objective of the City's 2005 Transportation Plan.

Building a road through Town Center, 30 acres of undeveloped land in the heart of Homer, is the first step in opening up this prime commercial real estate. The Homer Comprehensive Plan, Town Center Development Plan and Comprehensive Economic Development Strategy all call for careful development of Town Center. The roads will be built to urban road standards and include such amenities as sidewalks and storm drains. Development on newly opened lots will help grow Homer's downtown business sector.

Plans & Progress: The City recently purchased a lot for Bartlett Street Extension. The City has a dedicated fund for road improvement projects and is willing to pledge...

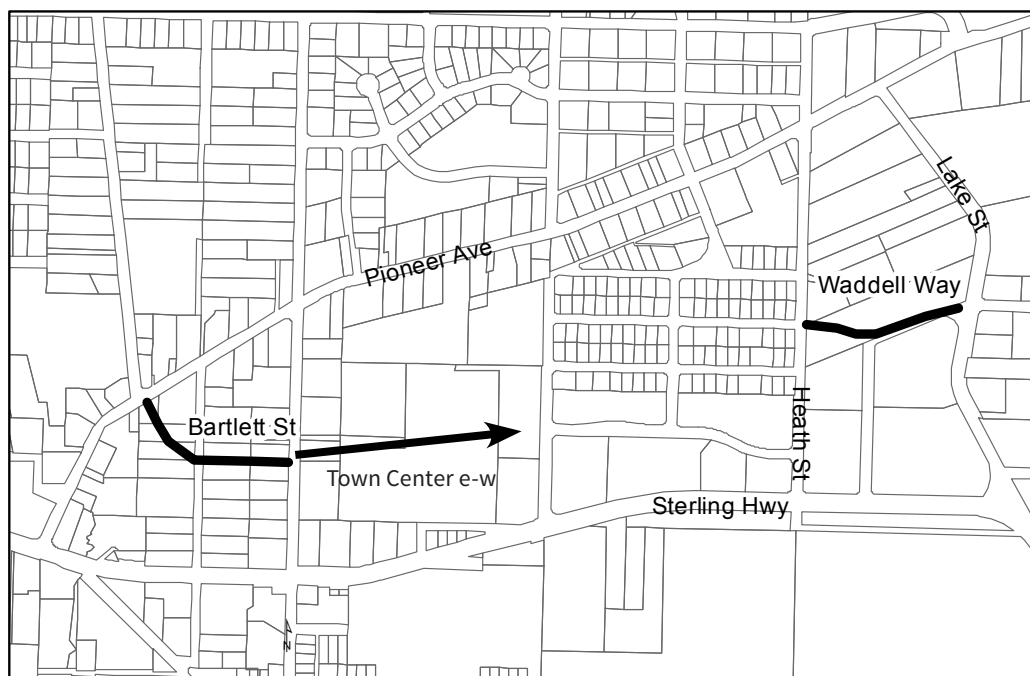
Total Project Cost: \$

2014: Land acquisition: \$1,400,000

2015:

State Request FY2015: \$

(City of Homer Match: \$



PROPOSED NEW PROJECT - DRAFT