

HB

74

HB 74 FISCAL NOTE

THERE IS A ZERO FISCAL NOTE FROM THE DEPARTMENT OF ADMINISTRATION.

IT HAS NOT ARRIVED FROM OMB YET.

City of Nenana
State of Alaska

HB 74

January 18, 1983

Mari: Lewis, Commissioner
Department of Community & Regional Affairs
Pouch B
Juneau, Alaska 99811

Ref: Correspondence of January 13, 1983

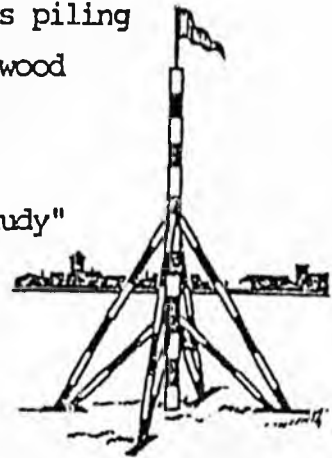
Dear Mr. Lewis,

For the past several years, the City of Nenana has been promoting the development of two major projects which have an impact on the economic development of a large portion of the State. These projects are:

- 1) Rehabilitation of the dock facilities at Nenana that provide service to the river freight transportation system for the Yukon River and its tributaries. Design and permitting for these improvements was performed in 1981 and 1982. The project was funded during the second session of the 12th Legislature, as part of the "bond bill" which Governor Hammond eventually vetoed.

Reconstruction of the dock is vitally important-especially the replacement of that wood piling installed by the Alaska Railroad circa 1937. This piling is rotted and falling in the river. The City plans on replacing the wood piling with 1,000 l.f. of steel sheetpile bulkhead.

Attached is a copy of the "Port of Nenana-Bulkhead Expansion Study" done by Peratrovich and Nottingham in 1981. A project budget of \$2.5 million is recommended.



- 2) Construction of the main east-west transportation corridor for the Nenana-Totchaket Resource area in general, and, in particular the Nenana-Totchaket Agricultural Project.

The State of Alaska is currently planning a disposal of large acreage farm tracts to the west of Nenana. Funding for the farm project development is being sought, but neither DNR nor DOT/PF have done any budgeting for the construction of a first class farm-to-market road. It does not make any economic sense at all to put farmers in a remote area for the purpose of producing marketable crops, without providing them with a farm-to-market road.

To this end, the City of Nenana is pursuing funding for the construction of such a road. Included as major cost items are:

a. NENANA RIVER BRIDGE	\$3.8 MILLION
b. BRIDGES ACROSS LITTLE NENANA RIVER, EAST AND WEST MIDDLE RIVERS	\$1.9 MILLION
c. 22.8 MILES OF ROADWAY	\$10.1 MILLION
	<hr/>
TOTAL	\$15.8 MILLION

Approximately \$1.6 million now sits with the Ag Action Council to begin construction on this roadway. (This money was re-appropriated from DELTA II West during the second session of the 12th Legislature)

A complete set of plans and cost estimates for the construction of the 22.8 miles of roadway and the four bridges was developed under various design contracts administered by the City of Nenana working with DOT/PF according to the terms of a Transfer of Responsibilities Agreement (T.O.R.A.).

The permits for the project were secured by the City of Nenana.

This project is designed and ready to build. A complete set of construction plans will be sent to your office under a separate cover.

A copy of resolution C82-2, passed unanimously by the Nenana Municipal Assembly on November 11, 1982, is attached to this letter as support of the "Statewide" project funding that the City of Nenana is pursuing. All of these projects will stimulate economic development in the State of Alaska as a whole.

The construction of the Interior State Fire Fighting Center is not a priority for 1983, but plans are underway to pursue construction of this facility in 1984 or 1985.

At the same time, the City of Nenana seeks to improve that area within its municipal boundaries. A copy of Resolutions C82-3 and C82-5 lists those areas of immediate local concern. A brief summary of the items, listed according to priority, is as follows:

1. CONSTRUCTION OF ROADWAYS AND DRAINAGE STRUCTURES WITHIN THE CITY LIMITS OF NENANA \$615,000

The City, lying predominantly within a flood plain area between the confluence of the Nenana and Tanana Rivers, is continuously filling in areas, and building new streets. Expansion and growth have continued to the point where drainage and upgrading of the roadways has become critical. The City is currently working under a T.O.R.A. with DOT/PF to develop a six year transportation improvement program. This should be available by March 1, 1983, and will at that time be sent to your office to provide additional detail as to phase funding required, project time tables, and O&M costs.

2. RENOVATION OF EXISTING CITY OF NENANA CIVIC CENTER \$750,000

The existing Civic Center (50 x 100 ft.) was built in 1952. The Building frame-work remains intact, but the other components (plumbing, heating, electrical, insulation, etc.) have reached the end of their useful life. The building is used extensively, so the City of Nenana is currently preparing to renovate and largely reconstruct the Civic Center.

Plans and cost estimates are due to be complete in March of 1983, at which time they will be sent to your office.

3. RECLAMATION OF THAT ROAD RIGHT-OF-WAY AND PROPERTY WITHIN ST. MARKS ADDITION THAT HAS BEEN LOST TO EROSION BY THE TANANA RIVER, INCLUDING CONSTRUCTION OF BANK STABILIZATION AND A FLOOD CONTROL DIKE \$885,000

An area of the St. Marks addition (see attached U.S. Survey map) has been eroded by the forces of the Tanana River. A large portion of that public right-of-way named "Front Street" has fallen into the river. The City must reclaim this property and establish a bank protection system to prevent further erosion.

A municipal water and sewer system for the "downtown" area of the City of Nenana was built in 1979-1980. This system, owned and operated by the City of Nenana, has been working very well. As development and expansion of Nenana continues, we are now encountering problems with an increasing density of on-site water and sewer systems located on the standard platted 50ft. x 140 ft. city lot. The close proximity of septic tanks and well points are leading to contamination of individual water sources.

The City of Nenana at this time must begin planning for an extension of the municipal water and sewer systems. The existing sewage treatment plant is adequately sized to handle sewage flow two to three times the current flows, so an extension of the sewer system should be looked at for construction in the near future.

5. FOR THE BENEFIT OF THE MUNICIPALITY OF NENANA'S FIRE RESCUE AND EMERGENCY MEDICAL SERVICES:

1.) 3,000 Gallon Large Capacity Fire Tanker, fully equipped as per NFPA #1901	\$195,000
2.) Equipment to fight flammable and hazardous material fires at the Nenana Municipal Airport	51,650
3.) Water supply and flammable liquids fire protection equipment for the Nenana River Port Facility	54,500
TOTAL	\$301,150

The City of Nenana has a very well trained and competent Fire Department and Emergency Medical Service Branch. Being located on the Parks Highway, the Nenana Fire Department has a protection area that is 45 miles long, with fire hydrants located only in the core area of downtown Nenana. With a substantial increase in business and residential construction, railroad and airport traffic, the need for a 3,000 gallon large capacity fire tanker is immediate. Cost of this fire tanker is estimated to be \$195,000.

Our nearest mutual aid department is over 20 miles away. With two bulk fuel tank farms, increasing highway, barge, railroad, and airport traffic, we must increase our capabilities to attack and control large flammable, and hazardous materials incidents with our own resources. The \$51,650 requested would provide the fire department with such things as:

Combustible gas indicators
Aluminized Crash/rescue suits
Spare airpack bottles
Forestry fire tools

Fire/rescue training tapes/films
Smoke ejector
Breathing air compressor (refill bottles)
Portable electric generators
2 1/2" nozzles and adapters
Rescue torch cutting kit
Ground to Air search & rescue radios
Salvage tarps
Metal radio antenna tower
Hose drying/training tower

Due to the economic importance of the Nenana Port Facility not only to Nenana but to all the downriver villages which depend upon the barge lines for vital fuel and supplies, the fire protection facilities in the dock areas must be extensive and complete. Water supply and flammable liquids fire protection are two key points. The \$54,500 requested will provide such things as:

Diesel-powered skid-mounted fire pumps (100 gpm each, set up at each end of port)
Foam carts, eductor tubes, hose/nozzles
High expansion foam generator for shipboard fires
Firefighter protective clothing
Fire alarm/detection system

6. FUNDING TO PURCHASE GRADER FOR MAINTENANCE OF MUNICIPAL STREETS AND AIRPORT \$185,000

The City maintains its own airport and streets. This puts a lot of wear and tear on the City's grader. Our current grader has about come to the end of its useful life. The City faces major maintenance costs to rebuild its current grader, so it economically makes more sense to purchase new equipment if at all possible.

7. FUNDING FOR CONSTRUCTION OF A SIDING TRACK OFF OF THE ALASKA RAILROAD FOR HANDLING OF HAZARDOUS MATERIAL \$495,000

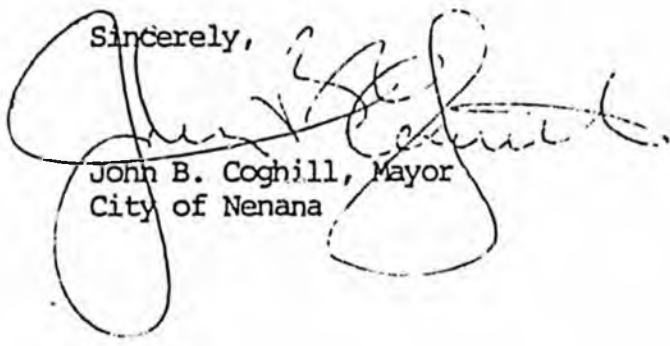
There currently exists in Nenana, a bulk propane tank and transfer facility, in the immediate downtown area, 14 feet from the main railroad trackline, and 5 feet from a major truck thorough-fare. This situation is extremely dangerous, and if the propane tank were to explode, most of the downtown area (including the school) would be destroyed. The City has approached the Alaska Railroad for purposes of relocating the propane storage and transfer facilities. There exists enough open railroad land in U.S.S. 1138, but construction of a siding track into this area is required. The City needs to pursue the funding for the construction of this siding track in hopes of getting the propane plant out of the town core area before a major catastrophe occurs.

This is a project which the City is thinking about for 1984 or 1985. There is a lot of support in the community for public recreational facilities, and especially a public swimming pool. It is also recognized that a swimming pool has tremendous operation and maintenance costs, so the City is considering incorporating this into the next expansion phase of the municipal water project in hopes that it might serve as additional water storage capacity available for fire fighting or other emergency situations.

The preceding pages should give you some indication of where the City of Nenana is headed in the next couple of years. We recognize that the City is pursuing an aggressive program, but we see this as an effort to be able to meet the direct and indirect demands placed on our community by the fast-paced development of the areas adjacent to the City of Nenana.

As indicated in this letter, various items of backup material will be sent to your office as it becomes available. Feel free to contact myself or Steve Bainbridge at 832-5501 should additional information be required.

Sincerely,

A large, stylized handwritten signature in black ink, appearing to read 'John B. Coghill', is written over the typed name and title.

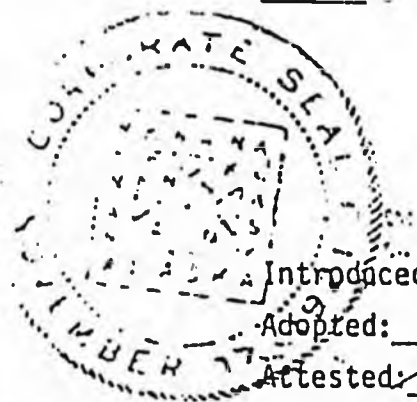
John B. Coghill, Mayor
City of Nenana

A RESOLUTION AUTHORIZING THE MAYOR OF THE CITY OF NENANA OR HIS DESIGNATED REPRESENTATIVE TO PURSUE FUNDING REQUESTS AND ENTER INTO AGREEMENTS WITH THE STATE OF ALASKA FOR PURPOSES OF ACCOMPLISHING THE FOLLOWING CAPITAL IMPROVEMENT PROJECTS;

ON A STATEWIDE BASIS:

1. REHABILITATION OF THE TANANA RIVER DOCK AND WATER FRONT FACILITIES AT NENANA THAT PROVIDE SERVICES FOR DELIVERY OF FREIGHT TO ALL VILLAGES ALONG THE YUKON RIVER
2.5 MILLION
2. DEVELOPMENT OF THE TOTCHAKET RESOURCE AREA, INCLUDING AGRICULTURE, MINERALS, AND TIMBER
 - a. NENANA RIVER BRIDGE 3.8 MILLION
 - b. BRIDGES ACROSS LITTLE NENANA RIVER, EAST AND WEST MIDDLE RIVERS 1.9 MILLION
 - c. 22.8 MILES OF ROADWAY 10.1 MILLION
 - d. THREE PHASE ELECTRICAL POWER 1.3 MILLION
3. CONSTRUCTION OF THE INTERIOR STATE FIRE FIGHTING CENTER 1.4 MILLION

Adopted by the Municipal Assembly of the City of Nenana, Alaska on this 11th day of November, 1982, by a vote of 5 for and 0 against.



By: [Signature]
(John B. Coghill, Mayor
City of Nenana)

Introduced: Nov. 11, 1982

Adopted: Nov. 11, 1982

Attested: [Signature]

A RESOLUTION AUTHORIZING THE MAYOR OF THE CITY OF NENANA OR HIS DESIGNATED REPRESENTATIVE TO PURSUE FUNDING REQUESTS AND ENTER INTO AGREEMENTS WITH THE STATE OF ALASKA FOR PURPOSES OF ACCOMPLISHING THE FOLLOWING CAPITAL IMPROVEMENT PROJECTS;

ON A LOCAL BASIS:

1. CONSTRUCTION OF ROADWAYS AND DRAINAGE STRUCTURES WITHIN THE CITY LIMITS OF NENANA \$615,000
2. RENOVATION OF EXISTING CITY OF NENANA CIVIC CENTER \$750,000
3. RECLAMATION OF THAT ROAD RIGHT-OF-WAY AND PROPERTY WITHIN ST. MARKS ADDITION THAT HAS BEEN LOST TO EROSION BY THE TANANA RIVER, INCLUDING CONSTRUCTION OF BANK STABILIZATION AND A FLOOD CONTROL DIKE \$885,000
4. FUNDING FOR IMPLEMENTATION OF THE ENGINEERING REQUIRED TO PRODUCE PLANS AND SPECIFICATIONS FOR THE PHASE II EXPANSION OF THE MUNICIPAL WATER AND SEWER SYSTEM \$ 45,000
5. FUNDING TO PURCHASE GRADER FOR MAINTENANCE OF MUNICIPAL STREETS AND AIRPORT \$185,000
6. FUNDING FOR CONSTRUCTION OF MUNICIPAL SWIMMING POOL (EMERGENCY WATER RESERVOIR) \$495,000
7. FUNDING FOR CONSTRUCTION OF A SIDING TRACK OFF OF THE ALASKA RAILROAD FOR HANDLING OF HAZARDOUS MATERIALS \$495,000

Adopted by the Municipal Assembly of the City of Nenana, Alaska on this 11th day of November, 1982, by a vote of 5 for and 0

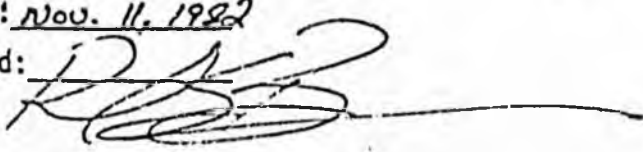
against.

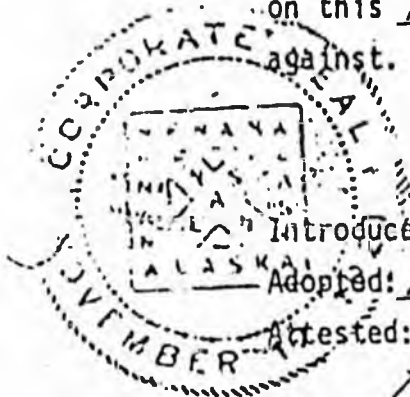
By: 

John B. Coghill, Mayor
City of Nenana

Introduced: Nov 11, 1982

Adopted: Nov. 11, 1982

Attested: 



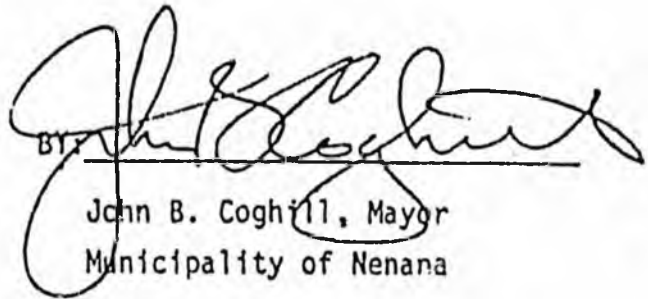
RESOLUTION C 82-5

A RESOLUTION AUTHORIZING THE MAYOR OF THE MUNICIPALITY OF NENANA OR HIS DESIGNATED REPRESENTATIVE TO PURSUE FUNDING REQUESTS AND ENTER INTO AGREEMENTS WITH THE STATE OF ALASKA FOR PURPOSES OF ACCOMPLISHING THE FOLLOWING CAPITAL IMPROVEMENT PROJECTS FOR THE BENEFIT OF THE MUNICIPALITY OF NENANA'S FIRE RESCUE AND EMERGENCY MEDICAL SERVICES:

- | | |
|---|-------------|
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| 3.) Water supply and flammable liquids fire protection equipment for the Nenana River Port Facility | 54,500 |
| | <hr/> <hr/> |
| | \$301,150 |

Adopted by the Assembly of the Municipality of Nenana, Alaska
on this 20th day of December, 1982, by a vote of 5
for and 0 against.




BY John B. Coghil, Mayor
Municipality of Nenana

Introduced: 12/20/82

Adopted: 12/20/82

Attested: 
Rick S. Brewer

Municipal Clerk

St. Marke
Addition
U.S.S. 4026

Under Sp
Dated A.
Appro

River Bank
Erosion (Since
1961)

UNITED STATES
BUREAU OF
LAND MANAGEMENT,
Washington, D. C.

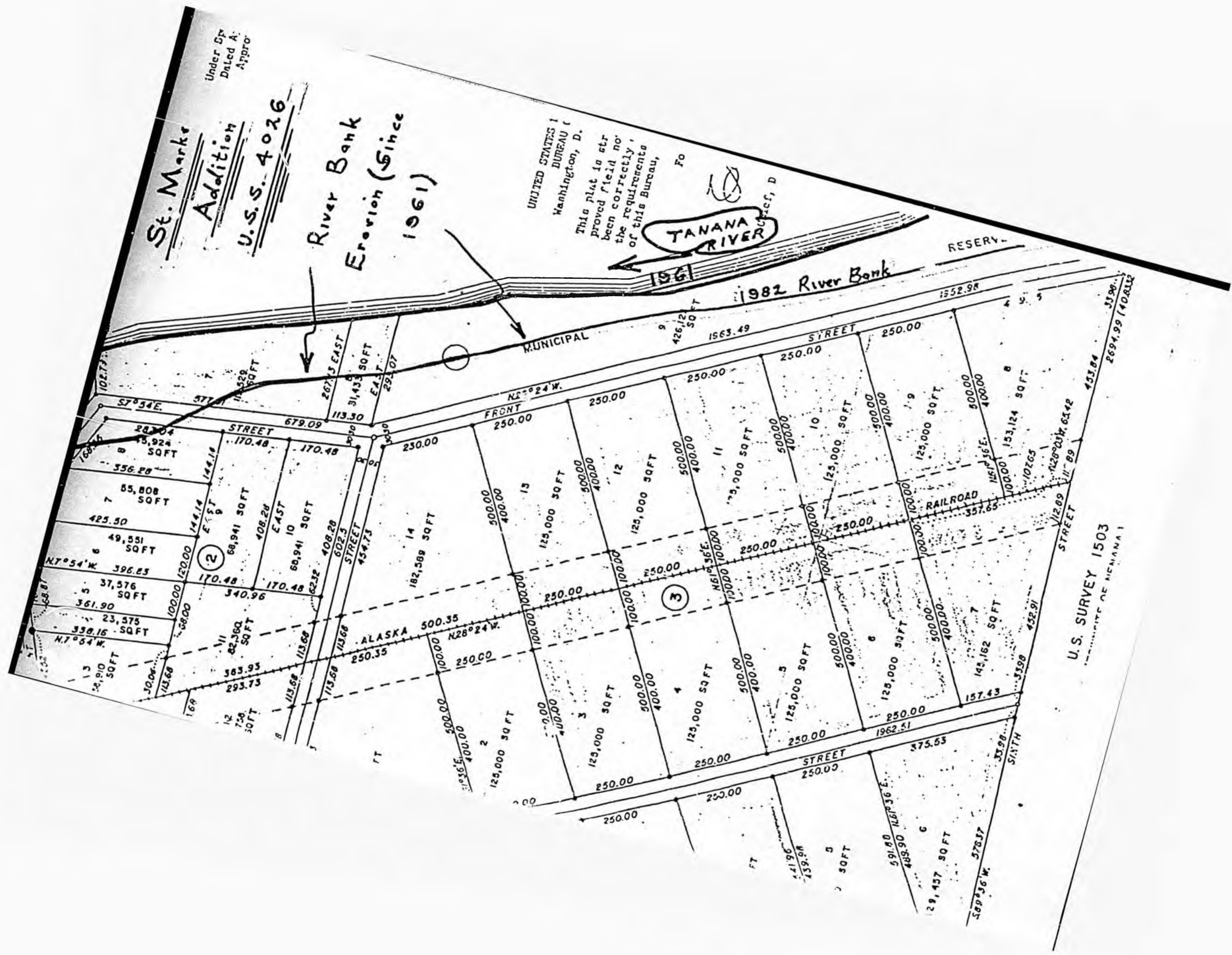
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TANANA
RIVER

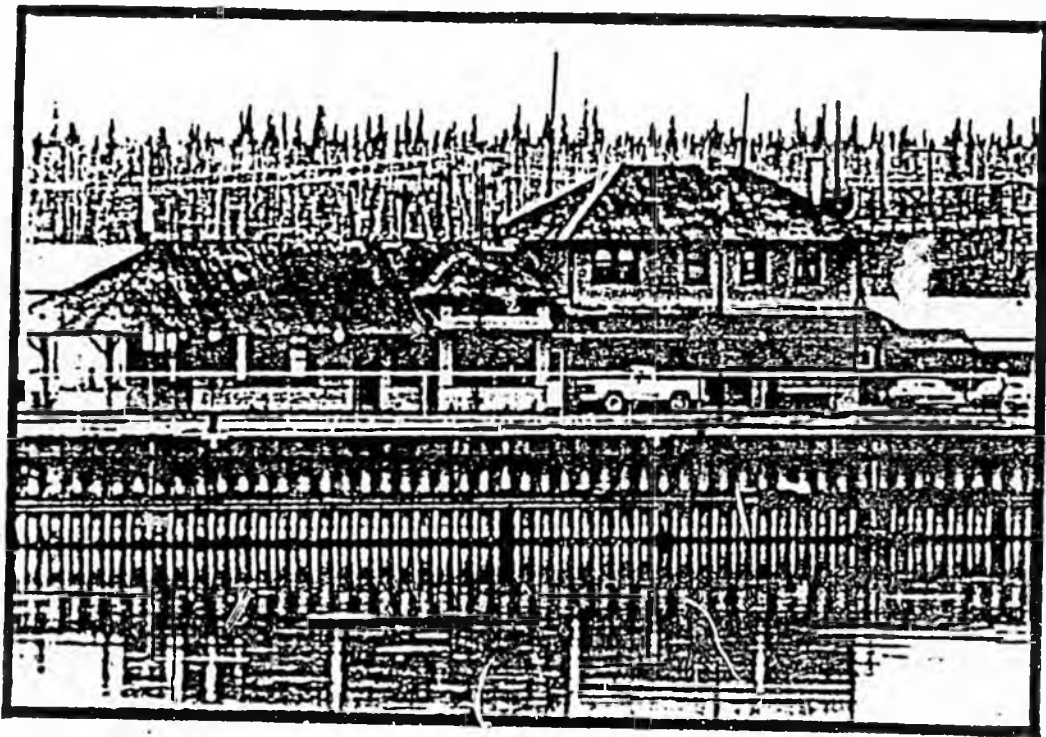
1961

1982 River Bank

RESERVATION



U.S. SURVEY 1503
TERRITORY OF ALASKA



PORT OF NENANA ALASKA

BULKHEAD EXPANSION STUDY



Peralovich, Nollingham & Drage, Inc.
Engineering Consultants



Engineering Consultants

1506 West 36th Avenue • Suite 101 • Anchorage, Alaska 99503 • 907-277-8633

January 20, 1983

PN&D 81059

Mr. Steve Bainbridge, City Engineer
City of Nenana
P.O. Box 177
Nenana, Alaska 99760

Re: Port of Nenana Bulkhead Expansion

Dear Mr. Bainbridge:

In accordance with your request, we have updated the 1981 preliminary study for the above referenced project. Included in this report are our initial findings and an updated projected budget.

Parts of the original study included a site visit to Nenana, contact with the USGS in Fairbanks regarding river parameters, inspection of Alaska Railroad-owned salvaged sheetpile material in Anchorage, and research of Alaska Railroad files and documents. The cost for the salvaged Railroad-owned sheet piling is no longer competitive.

From this effort, we concluded the following:


1. A 1,000-foot bulkhead extension, as shown on the attached drawing is possible.
2. This extension, properly placed, would create a longer usable dock and avoid riverbed deposition.
3. About 2.5 acres of additional improved marine use uplands would be created, and at least 800 linear feet of usable dock frontage would result.
4. Flood elevations are not expected to be significantly impacted, although this needs to be accurately established through more engineering work.
5. Suitable fill and riprap material is available near Nenana.
6. Riverbed materials are suitable for the type of construction envisioned.

As we noted before, due to an apparent constriction and the potential to raise flood levels, the Corps of Engineers will probably require an accurate analysis to show that flood levels will not increase significantly (usually less than one foot).

We hope this report addresses your needs; and should you have any questions,
please contact us at any time.

Sincerely,

PERATROVICH, NOTTINGHAM & DRAGE, INC.


Roy Peratovich, Jr., P.E.
Vice President

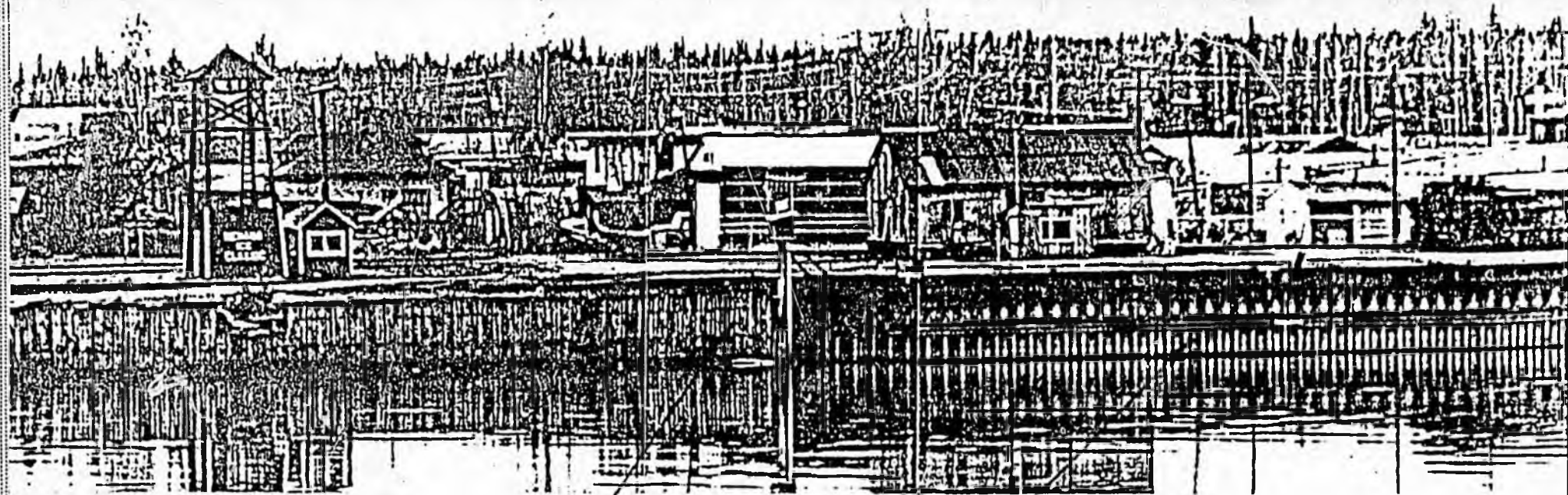
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Enclosures



Peratovich, Nottingham & Drage, Inc.

Engineering Consultants



OLD TIMBER BULKHEAD

STEEL SHEETPILE BULKHEAD

**TYPICAL EXISTING BULKHEAD
PORT OF NENANA**

PORT OF NENANA
 PROPOSED BULKHEAD EXPANSION
Estimate and Recommended Budget

<u>Sheetpiles Supply</u>		
2,275,000# @ \$.40 =		\$ 900,000
<u>Sheetpile Fabrication</u>		
45 "Y" connections @ 2,100#		
	= 143,850# @ \$0.60 =	86,300
47 "T" connections @ 1,050#		
<u>Sheetpile Erection</u>		
2,635 LF @ \$200 =		527,000
<u>Bull Rail Supply</u>		
1,100 ft. @ 85# = 94,000# @ \$1.00 =		94,000
<u>Bull Rail Erection</u>		
94,000# @ \$0.50 =		47,000
<u>Fill</u>		
60,000 CY @ \$6 =		360,000
<u>Ribrap</u>		
500 CY @ \$30 =		15,000
<u>Mobilization and Demobilization =</u>		100,000
		\$2,129,300
Construction contingency		150,000
Surveys, soils and permit preparation		20,000
Administration and construction engineering		100,000
Design engineering		100,000
Total Estimated 1983 Project Cost		\$2,499,300

Recommended Project Budget = \$2.5 Million



Peratrovich, Nottingham & Drage, Inc.
 Engineering Consultants