

CORPS OF ENGINEERS, U. S. ARMY

OFFICE OF THE DISTRICT ENGINEER

SEATTLE DISTRICT

4735 E. Marginal Way

Seattle 4, Washington

REFER TO FILE NO.

~~Gilbert R.~~ Bean
Technical Liaison

News Article
RELEASE SUNDAY
27 February 1955

DEDICATIONS TO SPOTLIGHT PARADE OF NEW DAMS IN N. W.

Four dedication ceremonies this summer will spotlight a parade of new multi-purpose dams bringing in nearly a half-million kilowatts of additional capacity to the Northwest Power Pool in 1955. The projects, under construction in the Columbia River basin by the Corps of Engineers, U. S. Army, are Chief Joseph, Albemarle Falls, Lucky Peak, and Lookout Point with Dexter reregulating dam.

Dedication of these large civil works will provide appropriate occasions for Pacific Northwest recognition of the 180th anniversary of the Corps of Engineers. Birthdate observed by the construction arm of the U. S. Army is June 16. Dedications of at least three of these dams are expected to take place within a week or two of that date.

All four of the projects to be ready for dedication this summer will have ceremonies under the sponsorship of citizens committees which will handle the planning and set the dates, according to Colonel L. H. Foote, North Pacific Division Engineer of the Corps of Engineers. The division and district offices of the Corps will cooperate with the committees in

(more)

2. Dedications

planning the events.

These public water-resources-development projects will represent an investment of \$309,000,000. Power revenues are calculated to repay this money to the Federal treasury within 50 years. However, that period is expected to be shortened appreciably, based on income experience at Bonneville and Grand Coulee dams.

The new projects mentioned are integrated in the comprehensive water-resources-development program of the Federal Government for the Columbia River and its tributaries. Among the regional benefits to be realized, in addition to electrical power, from these several works are flood control, navigation, irrigation, conservation and recreation--to say nothing of the resulting development in all phases of the area's economy. Total dollar value of the investments for these projects, therefore, extends far and wide beyond the construction costs at the sites, the Division Engineer pointed out.

Most prominent in the parade of dams to be dedicated this summer is Chief Joseph, nearing completion under jurisdiction of the Seattle District of the Corps of Engineers. This \$169,000,000 project, near Bridgeport in north-central Washington, is 51 miles down the Columbia River from Grand Coulee Dam.

Dedication of Chief Joseph Dam is expected to coincide with the scheduled start of power production by the first three generators the first of September. The fourth of the 64,000-kilowatt power units will be placed on the line in December. One more will be added each three months until the initial installation of 16 generators is in production, providing a total rated capacity of 1,024,000 kilowatts, by the end of 1958. Plans call for an ultimate installation of 27 power units, giving the Chief Joseph

(more)

3. Dedications

project a total eventual rating of 1,728,000 kilowatts and one of the longest powerhouses in the world.

McNary Dam, by comparison, dedicated last September by President Dwight D. Eisenhower, will have 14 units with a total name-plate rating of 980,000 kilowatts when completed in 1956. Six units, with a total capacity of 480,000 kilowatts, are now on the line at McNary.

Chief Joseph's great power capacity and importance to the region's economy, as well as its potential value as a weapon in the nation's defense arsenal, indicate a dedication entailing planning of national scope. As in the case of McNary, the date likely will be determined at the pleasure of the White House.

Lookout Point Dam on the Middle Fork of the Willamette River 23 miles southeast of Eugene, Oregon, will be in the vanguard of the parade of dams. The Willamette River Basin Commission and the dedication committee have selected June 25 as the tentative date for dedication of this \$89,000,000 flood-control and power project of the Portland District of the Corps of Engineers. The first of its three 40,000-kilowatt generators already is producing power. The second was activated February 15 and the third will be placed on the line prior to the dedication. Prominent local, state and national dignitaries will participate in the ceremony, according to Ivan Oakes, chairman of the Lookout Point Dam dedication committee which is busy formulating plans.

The 15,000-kilowatt unit at Dexter, reregulating dam just downstream from Lookout Point, will be placed in operation in April. Dexter is a companion project operated in conjunction with Lookout Point Dam.

Albeni Falls Dam, on the Pend Oreille River in northwestern Idaho, also is being groomed for dedication rites. No definite date has been set

(more)

4. Dedications

for dedicating the \$31,000,000 project but the ceremony probably will take place either just prior to or shortly after the Lookout Point ceremony.

The powerhouse at Albeni Falls will have three generating units of 14,200 kilowatts each, totaling a capacity rating of 42,600 kilowatts. The first generator will start producing power the first of April, the second in June and the third in September this year.

Albeni Falls Dam, with reservoir including the large Lake Pend Oreille, primarily is a storage project. Its "pool" provides 1,153,000 acre-feet of usable storage. This dam's regulation of stream flows is a principal function which contributes substantially to the production of power at large dams on the Columbia River. By conserving water upstream in flood seasons, Albeni Falls Dam also assists in flood control and navigation benefits on the main stem of the Columbia.

Lucky Peak Dam on Boise River near Boise, Idaho, a unit of the flood-control and irrigation development in that area, also will be ready for dedication this summer. This \$20,000,000 project of the Walla Walla District of the Corps of Engineers, is expected to be completed by July 1. Early this spring the 280,000 acre-foot reservoir will begin storing Boise River flood waters for the protection and increased water supply of the rich agricultural area of the lower valley. It has no power features but provision has been made in design of the dam for installation of power in the future. No definite plans have been made for dedication of the project but the ceremony could appropriately take place shortly before the scheduled completion date.

DEPARTMENT OF THE ARMY
U. S. ARMY ENGINEER DISTRICT, SEATTLE
CORPS OF ENGINEERS
1519 ALASKAN WAY SOUTH
SEATTLE, WASHINGTON 98134

POSTAGE AND FEES PAID
DEPARTMENT OF THE ARMY

Yakima Herald

Yakima, Wash.

ADDRESS REPLY TO
DISTRICT ENGINEER
(NOT TO INDIVIDUALS)

U. S. ARMY ENGINEER DISTRICT, SEATTLE
CORPS OF ENGINEERS
1519 ALASKAN WAY SOUTH
SEATTLE 4, WASHINGTON

REFER TO NPSOP-00

9 April 1964

NEWS ITEM ONLY

PUBLIC NOTICE NO. P-64-43

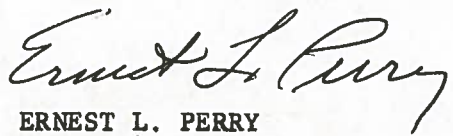
SUBJECT: Proposed Bridge Across Crab Creek, Near Beverly, Washington

Application has been received by this office from Washington State Highway Commission, Highways-Licenses Building, Olympia, Washington for Department of the Army approval of location and plans of a fixed highway bridge across Crab Creek near Beverly, Washington. The applicant has advised that the proposed bridge will replace the culverts and fill now utilized by State Highway 7C in crossing Crab Creek near Beverly, Washington.

The proposed bridge will provide a horizontal clearance of 42.75 feet, measured normal to the channel, at this location, and vertical clearances of 7.5 feet and 20.5 feet, respectively, above the maximum and normal pool elevation of the Priest Rapids Dam reservoir.

Interested parties are requested to submit, in writing, any comments or objections that they may have to the proposed work. Replies to this notice should be mailed to reach this office not later than 9 May 1964 to insure consideration.

2 Incl
Prints (back
to back)


ERNEST L. PERRY
Colonel, Corps of Engineers
District Engineer

DEPARTMENT OF THE ARMY
U. S. ARMY ENGINEER DISTRICT, SEATTLE
CORPS OF ENGINEERS
1519 ALASKAN WAY SOUTH
SEATTLE, WASHINGTON 98134

POSTAGE AND FEES PAID
DEPARTMENT OF THE ARMY

Yakima Herald

Yakima, Wash.

U. S. ARMY ENGINEER DISTRICT, SEATTLE
CORPS OF ENGINEERS
1519 ALASKAN WAY SOUTH
SEATTLE 4, WASHINGTON

ADDRESS REPLY TO
DISTRICT ENGINEER
(NOT TO INDIVIDUALS)

REFER TO NPSOP-00

30 September 1964

NEWS ITEM ONLY

PUBLIC NOTICE NO. P-64-128

SUBJECT: Proposed Bridge Across Columbia River, at Brewster, Washington

Application has been received by this office from WASHINGTON STATE HIGHWAY COMMISSION, HIGHWAYS-LICENSES BUILDING, OLYMPIA, WASHINGTON for approval of PLANS to MODIFY its FIXED HIGHWAY BRIDGE across the COLUMBIA RIVER, at BREWSTER, WASHINGTON. The applicant has advised that the modification proposed involves raising the steel spans of the bridge 7.5 feet and reconstructing the timber approach sections to accommodate the backwater pool of Wells Dam now under construction.

Plans submitted with the application (copies inclosed) show that the two principal navigation spans of the bridge will provide minimum vertical clearances of 9.3 feet above water surface elevation 783.3 feet MSL for their full widths, and 37.8 feet for their central 152 feet. The water surface elevation of normal full pool of the Wells Reservoir at the bridge site when in operation is calculated to be 780.0 feet MSL.

Interested parties are requested to submit, in writing, any comments or objections that they may have to the proposed work. Replies to this notice should be mailed to reach this office not later than 30 October 1964 to insure consideration.

2 Incl
Prints (back
to back)



C. C. HOLBROOK
Colonel, Corps of Engineers
District Engineer

DEPARTMENT OF THE ARMY
U. S. ARMY ENGINEER DISTRICT, SEATTLE
CORPS OF ENGINEERS
1519 ALASKAN WAY SOUTH
SEATTLE, WASHINGTON 98134

POSTAGE AND FEES PAID
DEPARTMENT OF THE ARMY

Yakima Herald

Yakima, Wash.

SEATTLE DISTRICT, CORPS OF ENGINEERS
Technical Liaison Office
Mutual 2-2700 Ext 371
1519 Alaskan Way South
Seattle, Washington 98134

N E W S
ADVANCE FOR RELEASE
Thursday, 2 February 1967

BEN FRANKLIN DAM STUDIED BY CORPS OF ENGINEERS:

The Corps of Engineers' Seattle District is studying the last feasible damsite on the Columbia River within the United States. The study for Ben Franklin Dam will be completed in late 1969, then a survey report with findings and recommendations will be submitted to the Congress.

The Ben Franklin damsite is at river mile 348, at the head of McNary reservoir, 10 miles upstream from Richland, Washington, and 49 miles downstream from Priest Rapids Dam. The dam and its 45-mile reservoir would lie entirely within the Atomic Energy Commission's Hanford reservation, except for a 7-mile-long portion of the east bank at the downstream end. The Ben Franklin site is in the Pasco Basin section of the Columbia plateau. The entire region is underlain by Columbia River basalt.

Estimated total cost of the completed Ben Franklin project is about \$150 million. Major benefits from this investment would be power generation and eventual slackwater barge navigation, plus other water-use benefits.

The proposed multi-purpose straight-line structure consists of a powerhouse containing 10 generating units having a total rated capacity of 344,000 kw., an 18-bay spillway designed to pass a flow of 1,400,000 cubic feet per second, and earthfill dams connecting to the abutment on each side. Normal headwater elevation would be 385 feet and low-flow

(more)

tail-water 341 feet above mean sea level, giving a nominal gross head of 44 feet on the turbines. Plans would provide for later construction of a navigation lock.

Over-all length of the powerhouse would be 1,070 feet, including 10 generating bays and an erection bay. Turbines would be the Kaplan type which would develop 54,000 horsepower. Generators would have a nameplate rating of 34,400 kw., with a 15 percent overload capacity.

As an alternate to the conventional vertical-shaft turbines and generators, horizontal-shaft, axial-flow, bulb-type units were studied. Use of the bulb-type units would reduce the depth of excavation and quantities of concrete required, as well as decrease the length of the powerhouse from 1,070 feet to about 820 feet. Discharge through the horizontal shaft units during design floods would permit reduction of the spillway from 18 to 16 bays each 51 feet wide.

Also being studied is a reservoir with an elevation of 400 feet to more completely use the available difference in water surface elevation between Priest Rapids and McNary Dams.

The reservoir at full elevation would extend up the river about 48 miles, and have a storage capacity of 310,000 acre-feet. The Ben Franklin project would be a "run-of-the-river" dam, using the flows of the Columbia as they are released from Wanapum and Priest Rapids Dams.

In order to preserve natural resources, the project would provide for the passage of migratory fish, and develop new habitats for Canadian geese and other wildlife. A fish ladder would be placed at the west end of the powerhouse and another at the east end of the spillway to accommodate fish

(more)

migrating upstream to spawning grounds. The spawning grounds that would be inundated by the proposed reservoir would be replaced by an artificial spawning channel.

In keeping with normal practice on Columbia River projects, no special provisions have been made for passing fingerlings migrating downstream.

In cooperation with the Corps, the Atomic Energy Commission is conducting studies to determine the project's effect on Hanford Works' nuclear reactors and waste-disposal facilities. The investigation is to ascertain that the project reservoir would not raise the water table sufficiently to cause radioactive contamination of underground water.

The waste-disposal and ground-water studies are being conducted by Battelle Northwest Company in its role as research and development contractor for the AEC. Further investigation of the project's effect on Hanford facilities is underway by AEC's production contractor, Douglas United Nuclear. Douglas United studies are concerned with the determination of any adverse effects from Ben Franklin Dam's lake on production reactors.

The efficiency of reactor operations is adversely affected by any rise in cooling-water temperatures. Replacing the free-flowing river with a slow-moving current of the reservoir could possibly have some effect on water temperature. As this type of analysis does not lend itself to mathematical solution, Douglas United has contracted with Washington State University to construct and analyze a model of the reservoir.

SEATTLE DISTRICT, CORPS OF ENGINEERS
Technical Liaison Office
Mutual 2-2700 Ext 371
1519 Alaskan Way South
Seattle, Washington 98134

NEWS
ADVANCE FOR RELEASE
Thursday, 2 February 1967

LOWER MONUMENTAL LOCK AND DAM

Federal investment in construction of Lower Monumental Lock and Dam project on Snake River in southeastern Washington during fiscal year 1967 (ending next June 30) is expected to total approximately \$30,000,000. Expenditures on this work through FY-66 totaled \$29,800,000, according to Colonel C. C. Holbrook, Seattle District Engineer, Army Corps of Engineers, the Federal construction agency for L.M.D.

The total project was 60 per cent complete December 21. Power on the line is scheduled for December 1969 and total project completion by the end of 1970, for an estimated Federal investment of \$187,000,000.

Lower Monumental project has the following major contracts on schedule for bid invitations this calendar year:

Union Pacific Railroad relocation, Tekoa-Ayer branch, south-bank relocation, Tucannon branch, Washington State secondary highway 11-B, construction of Tucannon River bridges, Joso Bridge undercrossing, and Columbia County roads 41 and 43--bid invitations out January 19, bid opening February 21; estimated cost, \$5 to \$10 million; construction time, 550 calendar days.

U. P. Railroad relocation, Tekoa-Ayer branch grading and bridges from the Snake River bridge to two miles up Alkali Flat Creek, U. P. RR bridge

(more)

at Riparia, Riparia Station access road, Whitman County road No. 701, Alkali Flat Creek bridge on Whitman County road, and Camas Prairie from Riparia to one mile upstream--bid invitations out February 7, bid opening March 16; estimated cost, \$1 to \$5 million; construction time, 540 days.

Equipment installation--bid invitations out March 16, bid opening May 16; estimated cost, \$5 to \$10 million; length of contract, 1,030 calendar days.

Navigation Lock monolith modification--bid invitation out March 30, bid opening May 2; estimated cost, \$100,000 to \$1,000,000; length of contract, 180 days.

Station facilities at Riparia on U. P. RR. Tekoa-Ayer branch--bid invitations out in May, bid opening in June; estimated cost, under \$100,000; construction time, 300 calendar days.

Fields Gulch embankment protection, tunnel modification at Fields Gulch, and resloping of embankments--bid invitations out April 18, bid opening June 1; estimated cost, \$1 to \$5 million; length of contract, 430 calendar days.

Upstream floating guidewall for the navigation lock--contract invitations out September, bid opening October; estimated cost, \$100,000 to \$1,000,000; construction time, 360 calendar days.

Reservoir clearing, including removal of other U. P. RR. facilities and condemned Northern Pacific Railway facilities; track and bridge removal, U. P. RR Hinkle-Spokane mainline; U. P. RR. Tekoa-Ayer and Tucannon branch lines, and Camas Prairie Railroad--bid invitations out December 1967, bid opening January 1968; estimated cost, \$100,000 to \$1,000,000; length of contract, 300 calendar days.

(more)

Furnish ties for U. P. RR. Tekoa-Ayer and Tucannon branches--bid invitations out in July; estimated cost \$100,000 to \$1,000,000; length of contract, 180 calendar days.

Lower Monumental Lock and Dam Project major construction contracts under way or completed 31 December 1966:

North Shore Construction--powerhouse, intake, non-overflow section, fish ladder; Guy F. Atkinson Co., started 5 November 1964, 69% complete; concrete placed, 423,631 cubic yards, reinforcing steel used, 14,350 tons; total contract, \$38,889,600.

Union Pacific Railroad Hinkle-to-Spokane mainline relocation part 2; Peter Kiewit Sons' Co., started 17 May 1965, 95% complete; total contract, \$9,816,698.

Union Pacific Railroad branch lines relocations, Snake River Bridge and approaches, and highway overpass; Morrison-Knudsen Co., Inc., started 30 August 1966, 9% complete; total contract, \$3,689,000.

Union Pacific Railroad cost-reimbursable agreements--handling signal materials, maintaining shoofly, track-crossings protection, etc., 42.4 to 94.8% completed; total contracts, \$5,072,000.

Matthews and Ayer Stations facilities, Union Pacific Railroad relocations; Hazen & Clark, Inc., started 8 December 1965, 100% complete; total contract, \$1,636,745.

Lower Monumental Lock and Dam project equipment contracts under way or completed 31 December 1966:

(more)

Three turbines; Baldwin-Lima-Hamilton Corp., 92% complete; \$3,574,837.

Three generators; General Electric Co., 55% complete; \$4,483,218.

Transformers and accessories; Baldwin-Lima-Hamilton Corp., 81.4% complete; \$825,156.

Turbine governors; Baldwin-Lima-Hamilton Corp., 37%; \$283,431.

600-ton bridge crane; Fulton Shipyards, 97% complete, \$351,543.

Fishwater pump; Baldwin-Lima-Hamilton Corp., 80% complete; \$494,677.

Gate hoists; Willamette Iron and Steel Co., 100% complete; \$270,812.

15-KVA breakers, grounding equipment and bus structures; General Electric Co., 82% complete; \$490,202.

50-ton gantry crane; Broadline Corp., 3% complete; \$135,042.

Trash-raking crane and trash rake; Broadline Corp., 1% complete; \$126,979.

Eight miscellaneous smaller supply contracts, total \$339,907.

2 March 1967

Please make the following changes on the attached news release:

Apparent Low Bid: \$82,916,474

Government Estimate: \$88,394,563

The errors in computation were discovered after this release
was run.

Thank you,

STEPHEN G. WADE
Chief, Technical Liaison Office

SEATTLE DISTRICT, CORPS OF ENGINEERS
Technical Liaison Office
MUTual 2-2700 Ext 371
1519 Alaskan Way South
Seattle, Washington 98134

NEWS
March 1, 1967

Apparent Low Bidder named for Libby Dam Contract:

A combine headed by Morrison-Knudsen Co., Inc. of Seattle was named apparent low bidder today, by the Army Corps of Engineers, for the main construction contract on the Libby Dam project in northwest Montana. Apparent low bid for the contract was \$82,969,994. The contract is expected to be awarded within the next 15 to 20 days.

Other firms involved in the apparent low bid, in addition to Morrison-Knudsen Co., Inc. are, Perini Corporation; Brown & Root, Inc; McLaughlin, Inc; F & S Contracting Co.

There were a total of four bids submitted. Other bids included:

<u>Combine</u>	<u>Bid</u>
Guy F. Atkinson Co.	\$91,940,411
L.E. Dixon Co.	
The Arundel Corp.	
Dillingham Const. Corp.	
of San Francisco, Calif.	
Libby Dam Constructors	\$104,445,271
Peter Kiewit Sons Co.	
Oman Const. Co., Inc.	
Winston Bros Co.	
Mannix Const. Co.	
Codell Const. Co., Inc.	
Western Contracting Corp.	
of Omaha, Nebraska	
Leavell-Dravo-Groves	\$104,910,194
McEachern-Amis	
of El Paso, Texas	

(more)

The Government estimate was \$88,384,688.

The Libby Dam project is being constructed by the Seattle District, Army Corps of Engineers. (Attached fact sheet gives information on the contract and some other general project information).

- 0 -