

US Army Corps of Engineers Alaska District

Public Notice of Application for Permit

FAIRBANKS FIELD OFFICE Regulatory Division (1145) CEPOA-RD 2175 University Avenue, Suite 201E Fairbanks, Alaska 99709-4927

PUBLIC NOTICE DATE:	March 19, 2019
EXPIRATION DATE:	April 17, 2019
REFERENCE NUMBER:	POA-2019-00082
WATERWAY:	Haggard Creek

Interested parties are hereby notified that a Department of the Army permit application has been received for work in waters of the United States (U.S.) as described below and shown on the enclosed project drawings.

All comments regarding this Public Notice should be sent to the address noted above. If you desire to submit your comments by email, you should send it to the Project Manager's email as listed below or to regpagemaster@usace.army.mil. All comments should include the Public Notice reference number listed above.

All comments should reach this office no later than the expiration date of this Public Notice to become part of the record and be considered in the decision. Please contact Amy Tippery at (907) 458-1602, by fax at (907) 474-2164, or by email at amy.c.tippery@usace.army.mil if further information is desired concerning this notice.

<u>APPLICANT</u>: Alaska Department of Transportation and Public Facilities (ADOT&PF), Attention: Jill Baxter-McIntosh

LOCATION: The project site is on the Richardson Highway between Mile Posts (MP) 159 and 167, located within: USGS Quad Gulkana C–3, T 10 N., R 01 W., Sections 5 & 6, T 11 N., R 01 W., Sections 6, 8, 16, 17, 21, 28, 29, and 32 and USGS Quad Gulkana D–3, T 12 N., R 01 W., Section 32. Project begins at: 62.67423 N., -145.4699 W. near Glennallen, Alaska, and ends at 62.77906 N., -145.4683 W., near Paxson, Alaska (Figure 1).

<u>PURPOSE</u>: The applicant's stated purpose is to improve safety on this stretch of highway. Proposed work intends to make it compliant with current standards.

<u>PROPOSED WORK</u>: Proposal consists of reconstructing a 2-lane roadway, widening lanes to 12-foot with 6-foot shoulders, and re-contouring and decreasing slopes to bring sharp horizontal and vertical curves and steep grades into current specifications (Figure 2). Proposed impacts include the permanent fill of 57.27 acres of waters of the U.S. located within the Haggard Creek channel and the project corridor. Approximately 400,000 cubic yards of permanent fill in waters of the U.S. will be placed as a result of the construction of stabilization berms, slope flattening, and channel work within Haggard Creek including construction of a new bridge and riprap for bridge abutments and culvert replacement. Approximately 14.12 acres of temporary fill may occur in a 10-foot wide active work area due to sidecast / mechanized clearing and vehicle maneuvering. All work would be performed in accordance with the enclosed plan (Sheets 1–8), dated March 6, 2019.

<u>ADDITIONAL INFORMATION</u>: The applicant has gained the following approvals for the proposed project.

State Historic Preservation Office 106 Concurrence, file number 3130-1R FHWA applied for on February 6, 2016, approved June 14, 2016.

Alaska Department of Fish and Game Fish Habitat Permit, file number FH19-III-00027 & 28, applied for on January 23, 2019, approved January 25, 2019.

Bureau of Land Management Right of Way Acquisition is being applied for concurrently with this U.S. Army Corps of Engineers Regulatory Program Standard Permit.

<u>APPLICANT PROPOSED MITIGATION</u>: The applicant proposes the following mitigation measures to avoid, minimize, and compensate for impacts to waters of the U.S. from activities involving discharges of dredged or fill material.

- a. Avoidance:
 - i. The majority of reconstruction work will maintain the highway along its current alignment. There will be one realignment, at approximately MP 160, where the highway will shift to the east (within the existing right of way), to eliminate a series of sharp horizontal and vertical curves.
 - ii. The contractor will place fill material and riprap below Ordinary High Water (OHW) during periods of low flow.
 - iii. Unsuitable material will be stored in uplands wherever possible. Approximately 330,000 cubic yards of unsuitable material will be stored in uplands at Hogan's Hill. This reduces the wetland impacts by roughly 26.82 acres.
 - iv. Material stockpiles and staging areas will be located in upland or previously disturbed areas.

- b. Minimization
 - i. Appropriate erosion and sediment control Best Management Practices (BMPs) would be implemented on or at all the perimeters of disturbed soil surfaces to minimize the transport of sediment to waters of the U.S. and disturbed areas will be seeded with native perennial grasses. Twenty-five foot vegetative buffers will be used in wetlands along the entire project as a BMP for sediment control.
 - ii. Temporary fill in areas designated as wetlands will be completely removed and those wetlands restored.
 - iii. BMPs will be implemented for in-water work at Haggard Creek. Work will be limited to that which is needed to shift the channel to accommodate the natural drainage pattern of the creek, remove the existing fish passage culvert, reestablish the stream bed, and place riprap armoring. Vegetated mat will be salvaged from the new alignment and used for streambank restoration.
 - iv. Existing drainage patterns will be maintained or enhanced wherever possible, including replacement of damaged or failing cross culverts (Figure 3). This will result in some amount of ecological uplift for existing streams and wetlands adjacent to the roadway.
- c. Compensatory Mitigation:
 - Riparian habitat will be enhanced and stream hydraulics will be improved at Haggard Creek with the removal of the existing 8-foot fish passage culvert following the construction of a new bridge (Figures 4–6). After the removal of the culvert along the old Richardson Highway alignment, the stream bed will be fully restored and the natural channel will be reestablished (Figures 7 and 8).
 - ii. Out-of-kind mitigation is also being proposed. Creation of 200-foot by 28-foot pullout and parking area for Haggard Creek Recreational Trail access (MP 160.6) will replace the current parking area and trailhead located in wetlands which have become degraded from incompatible recreational use. The wetlands will then be left to naturally reclaim. Another proposal for out-of-kind compensatory mitigation includes stage two cleanup of a fuel spill within the project area (MP 164.4) to improve water quality.

WATER QUALITY CERTIFICATION: A permit for the described work will not be issued until a certification or waiver of certification, as required under Section 401 of the Clean Water Act (Public Law 95-217), has been received from the Alaska Department of Environmental Conservation.

<u>CULTURAL RESOURCES</u>: The ADOT&PF has assumed responsibilities of the Federal Highway Administration under 23 U.S.C Section 326, and has acted as lead agency in consultation with the State Historic Preservation Office (SHPO). In June of 2016, SHPO concurred with ADOT&PF's determination of 'no historic properties affected' assessment within the Project Area (which includes the Corp of Engineer's regulatory permit area). See reference above in 'Additional Information' section.

ENDANGERED SPECIES: No threatened or endangered species are known to use the project area.

We have determined the described activity would have no effect on any listed or proposed threatened or endangered species, and would have no effect on any designated or proposed critical habitat, under the Endangered Species Act of 1973, (87 Stat. 844). Therefore, no consultation with the U.S. Fish and Wildlife Service or the National Marine Fisheries Service (NMFS) is required. However, any comments they may have concerning endangered or threatened wildlife or plants or their critical habitat will be considered in our final assessment of the described work.

<u>ESSENTIAL FISH HABITAT</u>: The Magnuson-Stevens Fishery Conservation and Management Act, as amended by the Sustainable Fisheries Act of 1996, requires all Federal agencies to consult with the NMFS on all actions, or proposed actions, permitted, funded, or undertaken by the agency, that may adversely affect Essential Fish Habitat (EFH).

We have determined the described activity would not adversely affect EFH in the project area because no EFH species are known to use the project area.

<u>TRIBAL CONSULTATION</u>: The Alaska District fully supports tribal self-governance and government-to-government relations between Federally recognized Tribes and the Federal government. Tribes with protected rights or resources that could be significantly affected by a proposed Federal action (e.g., a permit decision) have the right to consult with the Alaska District on a government-to-government basis. Views of each Tribe regarding protected rights and resources will be accorded due consideration in this process. This Public Notice serves as notification to the Tribes within the area potentially affected by the proposed work and invites their participation in the Federal decision-making process regarding the protected Tribal right or resource. Consultation may be initiated by the affected Tribe upon written request to the District Commander during the public comment period.

<u>PUBLIC HEARING</u>: Any person may request, in writing, within the comment period specified in this notice, that a public hearing be held to consider this application. Requests for public hearings shall state, with particularity, reasons for holding a public hearing.

<u>EVALUATION</u>: The decision whether to issue a permit will be based on an evaluation of the probable impacts, including cumulative impacts of the proposed activity and its intended use on the public interest. Evaluation of the probable impacts, which the proposed activity may have on the public interest, requires a careful weighing of all the factors that become relevant in each particular case. The benefits, which reasonably may be expected to accrue from the proposal, must be balanced against its reasonably foreseeable detriments. The outcome of the general balancing process would determine whether to authorize a proposal, and if so, the conditions under which it will be allowed to occur. The decision should reflect the national concern for both

protection and utilization of important resources. All factors, which may be relevant to the proposal, must be considered including the cumulative effects thereof. Among those are conservation, economics, aesthetics, general environmental concerns, wetlands, cultural values, fish and wildlife values, flood hazards, floodplain values, land use, navigation, shore erosion and accretion, recreation, water supply and conservation, water quality, energy needs, safety, food and fiber production, mineral needs, considerations of property ownership, and, in general, the needs and welfare of the people. For activities involving 404 discharges, a permit will be denied if the discharge that would be authorized by such permit would not comply with the Environmental Protection Agency's 404(b)(I) guidelines. Subject to the preceding sentence and any other applicable guidelines or criteria (see Sections 320.2 and 320.3), a permit will be granted unless the District Commander determines that it would be contrary to the public interest.

The Corps of Engineers is soliciting comments from the public; Federal, State, and local agencies and officials; Indian Tribes; and other interested parties in order to consider and evaluate the impacts of this proposed activity. Any comments received will be considered by the Corps of Engineers to determine whether to issue, modify, condition or deny a permit for this proposal. To make this decision, comments are used to assess impacts on endangered species, historic properties, water quality, general environmental effects, and the other public interest factors listed above. Comments are used in the preparation of an Environmental Assessment and/or an Environmental Impact Statement pursuant to the National Environmental Policy Act. Comments are also used to determine the need for a public hearing and to determine the overall public interest of the proposed activity.

AUTHORITY: This permit will be issued or denied under the following authority:

(X) Discharge dredged or fill material into waters of the United States – Section 404 Clean Water Act (33 U.S.C. 1344). Therefore, our public interest review will consider the guidelines set forth under Section 404(b) of the Clean Water Act (40 CFR 230).

Project drawings and a Notice of Application for State Water Quality Certification are enclosed with this Public Notice.

District Commander U.S. Army, Corps of Engineers

Enclosures

STATE OF ALASKA

DEPT. OF ENVIRONMENTAL CONSERVATION DIVISION OF WATER Wastewater Discharge Authorization Program (WDAP) / 401 Certification DEPARTMENT OF ENVIRONMENTAL CONSERVATION WDAP/401 CERTIFICATION 555 CORDOVA STREET ANCHORAGE, ALASKA 99501-2617 PHONE: (907) 269-6285 | EMAIL: <u>dec-401cert@alaska.gov</u>

NOTICE OF APPLICATION FOR STATE WATER QUALITY CERTIFICATION

Any applicant for a federal license or permit to conduct an activity that might result in a discharge into navigable waters, in accordance with Section 401 of the Clean Water Act of 1977 (PL95-217), also must apply for and obtain certification from the Alaska Department of Environmental Conservation that the discharge will comply with the Clean Water Act, the Alaska Water Quality Standards, and other applicable State laws. By agreement between the U.S. Army Corps of Engineers and the Department of Environmental Conservation, application for a Department of the Army permit to discharge dredged or fill material into navigable waters under Section 404 of the Clean Water Act also may serve as application for State Water Quality Certification.

Notice is hereby given that the application for a Department of the Army Permit described in the Corps of Engineers' Public Notice (PN) Reference Number **POA-2019-00082, Haggard Creek**, serves as application for State Water Quality Certification from the Department of Environmental Conservation.

After reviewing the application, the Department may certify there is reasonable assurance the activity, and any discharge that might result, will comply with the Clean Water Act, the Alaska Water Quality Standards, and other applicable State laws. The Department also may deny or waive certification.

Any person desiring to comment on the project with respect to Water Quality Certification, may submit written comments to the address above or via email to <u>dec-401cert@alaska.gov</u> by the expiration date of the Corps of Engineer's Public Notice. All comments should include the PN reference number listed above. Mailed comments must be postmarked on or before the expiration date of the public notice.

Disability Reasonable Accommodation Notice

The State of Alaska, Department of Environmental Conservation complies with Title II of the Americans with Disabilities Act of 1990. If you are a person with a disability who may need special accommodation in order to participate in this public process, please contact Theresa Zimmerman at 907-465-6171 or TDD Relay Service 1-800-770-8973/TTY or dial 711 within 5 days of the expiration date of this public notice to ensure that any necessary accommodations can be provided.







REVISION





SECTION A-A

RIPRAP APRON DETAIL

GEOTE STABILIZATION, CL

		ALASKA	0713013/Z622530000	2018	E5	E9
		F9.				
	CULVERT NOT		RONS AS NOTED IN THE CU	LVERT		
	SUMMARY T	ABLE.	NAL GROUND WHERE RIPRAF			
	REQUIRED A WORK IS SI	ND BACKFIL JBSIDIARY T	VAL GROUND WHERE RIFRAF L WITH RIPRAP, CLASS I. TH D THE PAY ITEM 611(1) SH MARY TABLE.	HIS		
	 CONSTRUCT MATERIAL, T 		ND BACKFILL WITH SELECTED	C		
TOP OF PA						
		∮ VARIES				
		1'	\neg			
			EXCAVA 1H:1V,	TION LIM TYP.	IITS	
	1.5'	_ D	 1.5'			
			•			
	7	ł	BEDDING AND SEE NOTE 3	BACKFIL	L	
GE ABILIZATION,	OTEXTILE,					
		ם חוא				
<u>UI</u>	LVERI BEDDING	AND B	<u>ACKFILL DETAIL</u>			
			POA-2019-0008	32		
			Haggard Creek			
			March 6, 2019 Sheet 3 of 8			
lcu	LVERT DE	TAILS				

STATE PROJECT DESIGNATION YEAR SHEET NO.





STATE	PROJECT DESIGNATION	YEAR	SHEET NO.	TOTAL SHEETS
ALASKA	Z622530000	2018		TtlShts

MATE OF QUANTITIES						
	PAY UNIT	ESTIMATING UNIT	SUBST.	SUPERST.	TOTAL QUANTITY	
	СҮ	CY	1,360		1,360	
	LS	СҮ	139.9	139.1	279.0	
ulb–Tee)	ΕA	EA		6	6	
	LS	LBS	29,580		29,580	
	LS	LBS	185	21,175	21,360	
e Piles)	LF	LF	1,323.0		1,323.0	
Piles)	ΕA	ΕA	12		12	
	LF	LF		348.0	348.0	
	LS	SF		6,960	6,960	
	ΕA	EA		4	4	
	СҮ	СҮ	2000		2000	
	SY	SY	2000		2000	



	STATE	PROJECT DESIGNATION	YEAR	SHEET NO.	TOTAL SHEETS
	ALASKA	Z622530000	2018		TtIShts
-	<u>GENERAL N</u>	IOTES			
	TO LRFD Brid t interim spec	lge Design Specifications, 20. cifications.	17 Edition,	with	
		r AASHTO Guide Specification 11 with latest interim revision) Seism	ic
HL-9	93				
Inclu	des 50 psf fo	or all wearing surfaces.			
Lique	= 0.22 Class = D faction Poten		ears.		
ASTM	1 A970 Heade	e 60, Fy = 60,000 psi ed bars, Class HA. nt evenly unless otherwise no	oted.		
PETE: See	"GIRDERS" Du	vg.			
Class	A Concrete u	unless otherwise noted, f'c =	= 4000 psi		
	A709. Grade	36T3. Fv = 36.000 psi			

- .ASTM A709, Grade 36T3, Fy = 36,000 psi Galvanize structural steel in accordance with AASHTO M111 unless noted otherwise.
- STRUCTURAL STEEL PILING:.....API 5L X52 PSL2, Fy = 52,000 psi. or ASTM A709 GR50T3, Fy = 50,000 psi. Open Ended Pile Tip reinforcing is required.

PILE DATA TABLE						
DRIVING CRITERIA				DESIGN DATA		
MINIMUM ENETRATION (ft)	ESTIMATED PILE TIP ELEVATION (ft)	DRIVING RESISTANCE (K)	STRENGTH I FACTORED LOAD (K)	NOMINAL RESISTANCE (K)	RESISTANCE FACTOR, φ	
75	2294	1495	890	1370	0.65	
100	2270	1495	890	1370	0.65	

ABBREVIATIONS:

~			~		
<u> </u>		centerline	fc	=	specified concrete
Ľ		plate	_		compressive strength
&		and	Fy		yield stress
0		at	Glav.		galvanize
Ø	=	diameter	Hwy.	=	highway
±		approximate	ksf	=	1000 pounds per square foot
AASHTO	=	American Association of	LB	=	pound
		State Highway and	LF	=	linear foot
		Transportation Officials	LS	=	lump sum
ASTM	=	American Society for Testing	Lt.	=	left
		and Materials	max.	=	maximum
Abut.	=	abutment	min.	=	minimum
Approx.	=	approximate	n. f.	=	near face
b. f.	=	back/dirt face	No.	=	number
bot.		bottom	0.C.	=	on center
Br.	=	bridge	0.H.W.	=	ordinary high water
btwn.	=	between	pcf	=	pounds per cubic foot
Brg.	=	bearings	psf		pounds per square foot
C.Ĭ.P.		cast in place	psi	=	pounds per square inch
CJP		complete joint penetration	V.P.C.	=	point of vertical curve
Clr.		clear, clearance	V.P.I.	=	point of vertical intersection
СҮ	=	cubic yard	V.P.T.	=	point of vertical tangent
dia.		diameter	R.O.W.	=	right of way
Dwg.	=	drawing	Rt.	=	right
ΕĴ		expansion	Rd.		road
(E)		existing	spc.	=	space, spaces
EÁ		each	Śta.	=	station
Elev.		elevation	SF	=	square feet
e. f.		each face	Symm.	=	symmetric
e. w.		each way	Тур.	=	typical
F		fixed	ŨΤ	=	ultrasonic testing
, f. f.		front/air face	w/	=	with

RICHARDSON HIGHWAY

POA-2019-00082 HAGGARD CREEK BRIDGE Haggard Creek March 6, 2019 Sheet 6 of 8

SITE PLAN





STATE	PROJECT DESIGNATION	YEAR	SHEET NO.	TOTAL SHEETS
ALASKA	Z622530000	2018		

ADD ODEEK DDIDOE	POA-2019-00082		
ARD CREEK BRIDGE	Haggard Creek		
ICHARDSON HIGHWAY	March 6, 2019		
	Sheet 8 of 8		
RIPRAP DETAILS	(Figure 8)		
ARD CREEK BRIDGE ICHARDSON HIGHWAY RIPRAP DETAILS	Haggard Creek March 6, 2019 Sheet 8 of 8 (Figure 8)		