PUBLIC NOTICE
Alaska Department of Environmental Conservation (DEC)
Wastewater Discharge Authorization Program/401 Certification
555 Cordova Street, Anchorage AK 99501-2617
Phone: 907-269-6285|Email: DEC-401Cert@alaska.gov

Notice of Application for State Water Quality Certification

Public Notice (PN) Date: June 22, 2022
PN Expiration Date: July 22, 2022
PN Reference Number: POA-2022-00248
Waterway: Anchor River

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 (CWA) 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 CWA, the Alaska Water Quality Standards, and other applicable State laws.

Notice is hereby given that a request for a CWA §401 Water Quality Certification of a Department of the Army Permit application, Corps of Engineers’ PN Reference Number indicated above has been received for the discharge of dredged and/or fill materials into waters of the United States (WOUS), including wetlands, as described below, and shown on the project figures/drawings. The public notice and related project figures/drawings are accessible from the DEC website at http://dec.alaska.gov/water/wastewater/.

To comment on the project or request for a public hearing with respect to water quality, submit comments electronically via the DEC public notice site at https://water.alaskadec.commentinput.com/?id=PZ8Br on or before the public notice expiration date listed above.

Applicant: Alaska Department of Transportation and Public Facilities (Heidi Zimmer), Central Region, 4111 Avenue, Anchorage, AK 99519.

Project Name: POA-2022-00248 Anchor River ADOT Sterling Highway MP 157-169 Rehabilitation

Location: The project site is located within Sections 18, 19, 20, 29, and 32, T. 5 S., R. 14 W., Sections 4, 5, 9, 15, and 16, T. 6 S., R. 14 W., Sections 3, 4, 10, 11, 12, and 13, T. 5 S., T. 15 W., Seward Meridian; USGS Quad Map Seldovia C-5; Latitude 59.728808º N., Longitude 151.723928º W.; Sterling Highway Milepost 157 to 169, near Anchor Point, Alaska.

Purpose: The applicant’s stated purpose is to restore structural integrity, reduce congestion, and improve the drivability and safety of the Sterling Highway from mile post (MP) 157 to MP 169.

Project Description: The applicant requests authorization to discharge 109,800 cubic yards of borrow material, 3,800 cubic yards of stream substrate, and 700 cubic yards of riprap fill material into 14.5 acres (35,704 linear feet) of waters of the United States, including wetlands for the following highway improvements:

a. Rehabilitate the roadway;
b. Replace the existing culverts at North Fork Anchor River with a new bridge;
c. Replace the Anchor River Bridge with a new bridge;
d. Realign vertical and horizontal curves and modify grades to improve sight distance and upgrade the roadway to current highway design standards;
e. Construct passing and climbing lanes;
f. Improve turning movements and sight distance at intersections by construction of right/left turn lanes and realigning side roads

g. Widen shoulders
h. Install erosion control measures
i. Clear vegetation
j. Repair, replace or improve as needed existing culverts, including fish passage culverts; erosion protection; drainage facilities; utilities; guardrail and guardrail end treatments; approaches; signing; and striping.

**ADDITIONAL INFORMATION:** The applicant would require an Alaska Department of Fish and Game Title 16 Fish Habitat Permit and a Kenai Peninsula Borough Multi-agency authorization.

**APPLICANT PROPOSED MITIGATION:** The applicant proposes the following mitigation measures to avoid, minimize, and compensate for impacts to waters of the United States from activities involving discharges of dredged or fill material.

a. **Avoidance:** The proposed project was designed to avoid work within waters of the U.S. to the maximum extent practicable; however, total avoidance of wetland impacts was not possible because the existing roadway alignment is typically bounded on one side by the Anchor River and on the other side by wetlands. Realignment of the highway outside of wetlands areas is not reasonable or feasible due to the prohibitive costs of construction and widespread distribution of wetlands along the western Kenai Peninsula.

b. **Minimization:** Impacts to wetlands and other waters of the U.S. were minimized by:
   1. Adjusting embankment fill slopes from 5:1 to 4:1 or 3:1 to avoid wetland impacts.
   2. Shifting the alignment toward lower functioning or valued wetlands.
   3. Constructing improvements away from the Anchor River.

Impacts to water of the U.S. would be further minimized by preparing a Storm Water Pollution Prevention Plan in accordance with the Alaska Department of Environmental Conservation’s Alaska Pollutants Discharge Elimination System Construction General Permit; implementing best management practices to minimize erosion and sedimentation; and reseeding and stabilizing disturbed ground as soon as practicable with native species recommended for the region by the Alaska Department of Natural Resource’s *A Revegetation Manual for Alaska*.

c. **Compensatory Mitigation:** Compensatory mitigation would be provided through permittee responsible mitigation to maintain healthy salmon populations and/or improve salmon habitat in the Anchor River Watershed.

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

The permit application and associated documents are available for review. For inquiries or to request copies of the documents, contact dec-401cert@alaska.gov, or call 907-269-6285.

**Disability Reasonable Accommodation Notice**

The State of Alaska, Department of Environmental Conservation complies with Title II of the Americans with Disabilities Act (ADA) 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 ADA Coordinator Jason Burnett at 907-269-3056 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.
Applicant: State of Alaska, Department of Transportation & Public Facilities

File No.: POA-2022-00248

Waterway: Anchor River, North Fork Anchor River, Two Moose Creek, Beaver Creek, Ruby Creek, Diamond Creek

Proposed Activity: Linear Transportation Project

T5S R14W, T5S R15W, T6S R14W Seward Meridian

Lat.: 59.730196° N  Long.: -151.729862° W

Date: 8/26/2021

Community

Project Location

DOT&PF Milepost

Stream

DOT&PF Road

KPB Wetlands
Applicant: State of Alaska, Department of Transportation & Public Facilities
File No.: POA-2022-00248
Waterway: Anchor River, North Fork Anchor River, Two Moose Creek, Beaver Creek, Ruby Creek, Diamond Creek
Proposed Activity: Linear Transportation Project
T5S R14W, T5S R15W, T6S R14W Seward Meridian
Lat.: 59.730106° N Long.: -151.725862° W
Sheet: 5 of 150  Date: 2/17/2022

- DOT&PF Milepost
- DOT&PF ROW
- Anadromous Stream (ADF&G)

Wetland Impact Sheet Number
Wetland Impact Location
* All wetland impacts displayed in figures are permanent impacts

Applicant: State of Alaska, Department of Transportation & Public Facilities
File No.: POA-XXXX-XXXX POA-2022-00248
Waterway: Anchor River, North Fork Anchor River, Two Moose Creek, Beaver Creek, Ruby Creek, Diamond Creek
Proposed Activity: Linear Transportation Project
T5S R14W, T5S R15W, T6S R14W Seward Meridian
Lat.: 59.730106° N Long.: -151.725862° W
Sheet: 10 of 150 Date: 2/17/2022

Proposed Project Centerline
Proposed Project
Proposed Culvert
Existing Culvert
Proposed Riptrap
Roadway Obliteration
Existing Road
DOT&PF ROW
Fill Limits
Cut Limits
Proposed Project Centerline
Proposed Project

Waterways
Wetland Impact

ID 1
R4UB3
0.003 Acres

ID 3.2
R4UB3
0.000 Acres

0 25 50 Feet
Applicant: State of Alaska, Department of Transportation & Public Facilities

File No.: POA-XXXX-XXXX

Waterway: Anchor River, North Fork Anchor River, Two Moose Creek, Beaver Creek, Ruby Creek, Diamond Creek

Proposed Activity: Linear Transportation Project

T5S R14W, T5S R15W, T6S R14W Seward Meridian

Lat.: 59.730106° N           Long.: -151.725862° W

Sheet: 12 of 150

Date: 2/17/2022

Existing Road

DOT&PF ROW

Fill Limits

Cut Limits

Proposed Project Centerline

Proposed Guardrail

Proposed Project

Proposed Culvert

Existing Culvert

Proposed Riprap

Roadway Obliteration

Waterways

Wetland Impact

K:\24\61608-01\60GIS\ArcPro\Sterling 157-169\Sterling 157-169.aprx    Feb 17, 2022    6:53 PM    User: tjameson
Proposed Project
Excavate Embankment
Remove Culverts
Restore Stream Channel
See Sheet 144

ID 22
PFO1C
0.006 Acres

ID 36.1
PEM1C
0.012 Acres

ID 24
R3UB1
0.016 Acres

ID 26
R3UB1
0.003 Acres

ID 24
R3UB1
0.014 Acres

ID 19
PSS1/EM1C
0.078 Acres

ID 23.2
PSS1/EM1C
0.002 Acres

ID 19
PSS1/EM1C
0.006 Acres

ID 3.1
R3UB1
0.000 Acres

ID 8.1
RFO1C
0.000 Acres

ID 23.1
PSS1/EM1C
0.014 Acres

ID 3.2
R3UB1
0.000 Acres

ID 8.3
PFO1C
0.000 Acres

ID 51.1
R3UB1
0.006 Acres

ID 51.2
R3UB1
0.002 Acres

ID 14.2
R3UB1
0.008 Acres

ID 14.1
R3UB1
0.013 Acres

ID 22
RFO1C
0.006 Acres

Proposed Bridge 1
See Sheet 143

ID 3.1
PFO1C
0.005 Acres

ID 8.1
PFO1C
0.005 Acres

ID 23.1
PSS1/EM1C
0.014 Acres

ID 23.2
PSS1/EM1C
0.002 Acres

ID 24
R3UB1
0.016 Acres

ID 26
R3UB1
0.003 Acres

 Applicant: State of Alaska, Department of Transportation & Public Facilities
 File No.: POA-XXXX-XXXX
 Waterway: Anchor River, North Fork Anchor River, Two Moose Creek, Beaver Creek, Ruby Creek, Diamond Creek
 Proposed Activity: Linear Transportation Project
 T5S R14W, T5S R15W, T6S R14W Seward Meridian
 Lat.: 59.730106° N    Long.: -151.725862° W
 Sheet: 13 of 150  Date: 2/17/2022

0 25 50 Feet

Proposed Project
Existing Road
DOT&PF ROW
Fill Limits
Cut Limits
Proposed Project Centerline
Proposed Guardrail
Proposed Culvert
Existing Culvert
Existing Riprap
Proposed Riprap
Bank Reconstruction
Roadway Obliteration
Anadromous Stream (ADF&G)
Open Water
Wetlands
Waterways
Wetland Impact
Proposed Bridge 1
See Sheet 143

Excavate Embankment
Remove Culverts
Restore Stream Channel
See Sheet 144

Applicant: State of Alaska, Department of Transportation & Public Facilities

Waterway: Anchor River, North Fork Anchor River, Two Moose Creek,
Beaver Creek, Ruby Creek, Diamond Creek

Proposed Activity: Linear Transportation Project
T5S R14W, T5S R15W, T6S R14W Seward Meridian
Lat.: 59.730106° N           Long.: -151.725862° W

Sheet: 14 of 150  
Date: 2/17/2022

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Applicant: State of Alaska, Department of Transportation & Public Facilities

File No.: POA-XXXX-XXXX

Waterway: Anchor River, North Fork Anchor River, Two Moose Creek, Beaver Creek, Ruby Creek, Diamond Creek

Proposed Activity: Linear Transportation Project

T5S R14W, T5S R15W, T6S R14W Seward Meridian

Lat.: 59.730106° N Long.: -151.725862° W

Sheet: 17 of 150

Date: 2/17/2022

Existing Road

DOT&PF ROW

Fill Limits

Cut Limits

Proposed Project Centerline

Proposed Guardrail

Wetlands

Roadway Obliteration

Waterways

Wetland Impact

POA-2022-00248
Applicant: State of Alaska, Department of Transportation & Public Facilities
File No.: POA-XXXX-XXXX
Waterway: Anchor River, North Fork Anchor River, Two Moose Creek, Beaver Creek, Ruby Creek, Diamond Creek
Proposed Activity: Linear Transportation Project
T5S R14W, T5S R15W, T6S R14W Seward Meridian
Lat.: 59.730106° N Long.: -151.725862° W
Sheet: 18 of 150 Date: 2/17/2022

POA-2022-00248

Existing Road
DOT&PF ROW
Fill Limits
Cut Limits
Proposed Project Centerline
Proposed Project

Proposed Culvert
Existing Culvert
Proposed Riprap

Wetlands
Waterways
Wetland Impact
Applicant: State of Alaska, Department of Transportation & Public Facilities

File No.: POA-XXXX-XXXX

Waterway: Anchor River, North Fork Anchor River, Two Moose Creek, Beaver Creek, Ruby Creek, Diamond Creek

Proposed Activity: Linear Transportation Project

T5S R14W, T5S R15W, T6S R14W Seward Meridian

Lat.: 59.730106° N Long.: -151.725862° W

Sheet: 19 of 150

Date: 2/17/2022

Existing Road

DOT&PF ROW

Fill Limits

Cut Limits

Proposed Project Centerline

Proposed Project

Proposed Culvert

Existing Culvert

Wetland Impact

Waterways

Proposed Riprap

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Applicant: State of Alaska, Department of Transportation & Public Facilities
File No.: POA-XXXX-XXXX
Waterway: Anchor River, North Fork Anchor River, Two Moose Creek, Beaver Creek, Ruby Creek, Diamond Creek
Proposed Activity: Linear Transportation Project
T5S R14W, T5S R15W, T6S R14W Seward Meridian
Lat.: 59.730106° N Long.: -151.725862° W
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Date: 2/17/2022

POA-2022-00248

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Existing Road
Waterways
DOT&PF ROW
Cut Limits
Proposed Project Centerline
Proposed Project

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0 25 50 Feet
Applicant: State of Alaska, Department of Transportation & Public Facilities
File No.: POA-XXXX-XXXX
Waterway: Anchor River, North Fork Anchor River, Two Moose Creek, Beaver Creek, Ruby Creek, Diamond Creek
Proposed Activity: Linear Transportation Project
T5S R14W, T5S R15W, T6S R14W Seward Meridian
Lat.: 59.730106° N  Long.: -151.725862° W
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Proposed Project Centerline
Existing Road
Cut Limits
Proposed Project Centerline
Proposed Project

Existing Culvert
Proposed Riprap
Roadway Obliteration

Wetlands
Waterways
Wetland Impact

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File No.: POA-XXXX-XXXX
Waterway: Anchor River, North Fork Anchor River, Two Moose Creek, Beaver Creek, Ruby Creek, Diamond Creek
Proposed Activity: Linear Transportation Project
T5S R14W, T5S R15W, T6S R14W Seward Meridian
Lat.: 59.730106° N   Long.: -151.725862° W
Sheet: 26 of 150   Date: 2/17/2022

Existing Road
DOT&PF ROW
Fill Limits
Cut Limits
Proposed Project Centerline
Proposed Project

Proposed Culvert
Existing Culvert
Proposed Riprap
Roadway Obliteration

Wetlands
Waterways
Wetland Impact

ID 96
PSS1/EM1B
0.077 Acres

ID 91
PFO4/SS1B
0.170 Acres

ID 93
PSS1/EM1B
0.000 Acres

ID 84.2
PSS1/EM1B
0.025 Acres

ID 83.4
R4UB3
0.016 Acres

ID 84.1
PSS1/EM1B
0.002 Acres

ID 92
PSS1/EM1B
0.001 Acres

ID 85
PSS1/EM1B
0.053 Acres

ID 88
PSS1/EM1B
0.044 Acres

ID 86
PFO4/SS1B
0.053 Acres

ID 84
PSS1/EM1B
0.006 Acres

ID 88
PSS1/EM1B
0.026 Acres

ID 95.2
PFO4/SS1B
0.176 Acres

ID 85.2
PFO4/SS1B
0.454 Acres

ID 94
PSS1/EM1B
0.026 Acres

ID 95.1
PFO4/SS1B
0.006 Acres

ID 92
PSS1/EM1B
0.003 Acres

ID 84.2
PSS1/EM1B
0.000 Acres

ID 86
PFO4/SS1B
0.003 Acres

ID 88
PSS1/EM1B
0.001 Acres

ID 93
PSS1/EM1B
0.001 Acres

ID 93
PSS1/EM1B
0.000 Acres

ID 84.2
PSS1/EM1B
0.025 Acres

ID 83.4
R4UB3
0.016 Acres

ID 84.1
PSS1/EM1B
0.002 Acres

ID 84.2
PSS1/EM1B
0.025 Acres

ID 83.4
R4UB3
0.016 Acres

ID 84.1
PSS1/EM1B
0.002 Acres

ID 95.1
PFO4/SS1B
0.006 Acres

ID 95.2
PFO4/SS1B
0.176 Acres

ID 96
PSS1/EM1B
0.077 Acres
Applicant: State of Alaska, Department of Transportation & Public Facilities
File No.: POA-XXXX-XXXX
Waterway: Anchor River, North Fork Anchor River, Two Moose Creek, Beaver Creek, Ruby Creek, Diamond Creek
Proposed Activity: Linear Transportation Project
T5S R14W, T5S R15W, T6S R14W Seward Meridian
Lat.: 59.730106° N           Long.: -151.725862° W
Date: 2/17/2022

POA-2022-00248

Existing Road
DOT&PF ROW
Fill Limits
Cut Limits
Existing Culvert
Proposed Project Centerline
Proposed Guardrail
Proposed Culvert
Proposed Riprap
Roadway Obliteration
Wetlands
Waterways
Wetland Impact

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<th>ID</th>
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<th>Acres</th>
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<tr>
<td>125</td>
<td>PFO1/4B</td>
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</tr>
<tr>
<td>127</td>
<td>PFO1/4B</td>
<td>0.111</td>
</tr>
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<td>128</td>
<td>PSS1/EM1B</td>
<td>0.222</td>
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<td>R4UB3</td>
<td>0.003</td>
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<tr>
<td>83.1</td>
<td>R4UB3</td>
<td>0.006</td>
</tr>
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Applicant: State of Alaska, Department of Transportation & Public Facilities
File No.: POA-XXXX-XXXX
Waterway: Anchor River, North Fork Anchor River, Two Moose Creek, Beaver Creek, Ruby Creek, Diamond Creek
Proposed Activity: Linear Transportation Project
T5S R14W, T5S R15W, T6S R14W Seward Meridian
Lat.: 59.730106° N  Long.: -151.725862° W
Sheet: 30 of 150  Date: 2/17/2022

Proposed Project Centerline
Proposed Guardrail
Existing Road
DOT&PF ROW
Fill Limits
Cut Limits
Proposed Project Centerline
Proposed Guardrail

POA-2022-00248
Applicant: State of Alaska, Department of Transportation & Public Facilities
File No.: POA-XXXX-XXXX
Waterway: Anchor River, North Fork Anchor River, Two Moose Creek, Beaver Creek, Ruby Creek, Diamond Creek
Proposed Activity: Linear Transportation Project
T5S R14W, T5S R15W, T6S R14W Seward Meridian
Lat.: 59.730106° N       Long.: -151.725862° W
Sheet: 31 of 150    Date: 2/17/2022

Existing Road
DOT&PF ROW
Fill Limits
Proposed Project Centerline
Proposed Guardrail
Proposed Project

Wetlands
Waterways
Wetland Impact

POA-2022-00248
Applicant: State of Alaska, Department of Transportation & Public Facilities
File No.: POA-XXXX-XXXX
Waterway: Anchor River, North Fork Anchor River, Two Moose Creek, Beaver Creek, Ruby Creek, Diamond Creek
Proposed Activity: Linear Transportation Project
T5S R14W, T5S R15W, T6S R14W Seward Meridian
Lat.: 59.730106° N       Long.: -151.725862° W
Sheet: 34 of 150           Date: 2/17/2022

Existing Road
Proposed Project
Waterways
 DOT&PF ROW
Fill Limits
Cut Limits
Proposed Project Centerline
Proposed Guardrail

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Applicant: State of Alaska, Department of Transportation & Public Facilities
File No.: POA-XXXX-XXXX
Waterway: Anchor River, North Fork Anchor River, Two Moose Creek, Beaver Creek, Ruby Creek, Diamond Creek
Proposed Activity: Linear Transportation Project
T5S R14W, T5S R15W, T6S R14W Seward Meridian
Lat.: 59.730106° N           Long.: -151.725862° W
Sheet: 36 of 150

Existing Road
DOT&PF ROW
Fill Limits
Cut Limits
Proposed Project Centerline
Proposed Project

Proposed Culvert
Existing Culvert
Roadway Obliteration
Wetlands
Waterways
Wetland Impact

ID 111
R4UB3 0.011 Acres

ID 108
R4UB3 0.018 Acres

ID 102.1
PSS1/EM1B 0.009 Acres

ID 102.2
PSS1/EM1B 0.077 Acres

ID 99.2
PSS1/EM1B 0.082 Acres

ID 99.1
PSS1/EM1B 0.001 Acres

POA-2022-00248

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File No.: POA-XXXX-XXXX
Waterway: Anchor River, North Fork Anchor River, Two Moose Creek, Beaver Creek, Ruby Creek, Diamond Creek
Proposed Activity: Linear Transportation Project
T5S R14W, T5S R15W, T6S R14W Seward Meridian
Lat.: 59.730106° N        Long.: -151.725862° W
Sheet: 39 of 150        Date: 2/17/2022

Existing Road
DOT&PF ROW
Fill Limits
Cut Limits
Proposed Project Centerline
Proposed Guardrail

Proposed Project
Existing Culvert
Proposed Culvert
Proposed Riprap
Roadway Obliteration

Wetlands
Waterways
Wetland Impact

0 25 50 Feet
Applicant: State of Alaska, Department of Transportation & Public Facilities

File No.: POA-XXXX-XXXX

Waterway: Anchor River, North Fork Anchor River, Two Moose Creek, Beaver Creek, Ruby Creek, Diamond Creek

Proposed Activity: Linear Transportation Project

T5S R14W, T5S R15W, T6S R14W Seward Meridian

Lat.: 59.730106° N  Long.: -151.725862° W

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Existing Road  Proposed Project  Waterways

DOT&PF ROW  Proposed Culvert  Wetland Impact

Fill Limits  Proposed Riprap

Cut Limits  Roadway Obliteration

Proposed Project Centerline

Proposed Guardrail

ID 134
R4UB3
0.008 Acres

ID 133
R4UB3
0.018 Acres

POA-2022-00248
New Stream Channel, See Sheet 145

ID 135.1 PSS1/EM1C 0.102 Acres
ID 137.1 R3UB1 0.002 Acres
ID 137.2 R3UB1 0.005 Acres
ID 139 R4UE3 0.001 Acres
ID 136 PSS1/EM1C 0.045 Acres
ID 138.1 PFO1C 0.016 Acres
ID 138.3 PFO1C 0.014 Acres
ID 137.3 R3UB1 0.034 Acres
ID 137.2 R3UB1 0.005 Acres
ID 134 R4UE3 0.008 Acres
ID 138.2 PFO1C 0.012 Acres
ID 138.1 PFO1C 0.014 Acres
ID 138.3 PFO1C 0.014 Acres
ID 137.3 R3UB1 0.004 Acres
ID 140 R3UB1 0.026 Acres

FISH PASSAGE

Fill With: Selected Material, Type C

New Stream Channel, See Sheet 145
Applicant: State of Alaska, Department of Transportation & Public Facilities
File No.: POA-XXXX-XXXX
Waterway: Anchor River, North Fork Anchor River, Two Moose Creek, Beaver Creek, Ruby Creek, Diamond Creek
Proposed Activity: Linear Transportation Project
T5S R14W, T5S R15W, T6S R14W Seward Meridian
Lat.: 59.730106° N         Long.: -151.725862° W
Sheet: 44 of 150
Date: 2/17/2022
Applicant: State of Alaska, Department of Transportation & Public Facilities
File No.: POA-XXXX-XXXX
Waterway: Anchor River, North Fork Anchor River, Two Moose Creek, Beaver Creek, Ruby Creek, Diamond Creek
Proposed Activity: Linear Transportation Project
T5S R14W, T5S R15W, T6S R14W Seward Meridian
Lat.: 59.730106° N           Long.: -151.725862° W
Sheet: 49 of 150
Date: 2/17/2022

ID 182
PSS1/C
0.003 Acres

ID 170
PSS1/EM1C
0.196 Acres

ID 174
PSS1/C
0.021 Acres

ID 179
PEM1C
0.095 Acres

ID 177
PSS1/EM1C
0.001 Acres

ID 172
PSS1/EM1C
0.016 Acres

ID 176
PSS1/C
0.007 Acres

ID 178.1
R3UB3
0.019 Acres

ID 178.2
R3UB3
0.029 Acres

ID 178
R3UB3
0.001 Acres

ID 171
PSS1/C
0.012 Acres

ID 179
PEM1C
0.003 Acres

ID 177
PSS1/EM1C
0.001 Acres

Existing Road
DOT&PF ROW
Fill Limits
Cut Limits
Proposed Project Centerline
Proposed Project

Existing Culvert
Existing Riprap
Proposed Riprap
Roadway Obliteration

Anadromous Stream (ADF&G)
Wetlands
Waterways
Wetland Impact
Applicant: State of Alaska, Department of Transportation & Public Facilities
File No.: POA-XXXX-XXXX
Waterway: Anchor River, North Fork Anchor River, Two Moose Creek, Beaver Creek, Ruby Creek, Diamond Creek
Proposed Activity: Linear Transportation Project
T5S R14W, T5S R15W, T6S R14W Seward Meridian
Lat.: 59.730106° N       Long.: -151.725862° W
Sheet: 50 of 150       Date: 2/17/2022

Existing Road
DOT&PF ROW
Fill Limits
Cut Limits
Proposed Project Centerline
Proposed Project

ID 182
PEM1C
0.003 Acres

ID 183
PEM1C
0.006 Acres

ID 184
PEM1C
0.003 Acres

ID 185
PSS1/EM1B
0.013 Acres

ID 186
PSS1/EM1B
0.207 Acres

ID 187
R4UB3
0.147 Acres

Existing Culvert
Existing Riprap
Roadway Obliteration

Proposed Culvert
Wetlands
Waterways

Applicant: State of Alaska, Department of Transportation & Public Facilities
File No.: POA-XXXX-XXXX
Waterway: Anchor River, North Fork Anchor River, Two Moose Creek, Beaver Creek, Ruby Creek, Diamond Creek
Proposed Activity: Linear Transportation Project
T5S R14W, T5S R15W, T6S R14W Seward Meridian
Lat.: 59.730106° N Long.: -151.725862° W
Sheet: 56 of 150
Date: 2/17/2022

- Existing Road
- DOT&PF ROW
- Fill Limits
- Cut Limits
- Proposed Project Centerline
- Proposed Project

<table>
<thead>
<tr>
<th>Property ID</th>
<th>Land Use</th>
<th>Acres</th>
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<td>ID 236</td>
<td>PEM1B</td>
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<td>ID 234</td>
<td>PEM1B</td>
<td>0.000</td>
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<td>ID 237</td>
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<td>PEM1B</td>
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<td>ID 239</td>
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<td>ID 241</td>
<td>PEM1B</td>
<td>0.020</td>
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<tr>
<td>ID 242</td>
<td>PEM1B</td>
<td>0.060</td>
</tr>
</tbody>
</table>

- Proposed Culvert
- Existing Culvert
- Roadway Obliteration
- Wetlands
- Waterways
- Wetland Impact

POA-2022-00248

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Applicant: State of Alaska, Department of Transportation & Public Facilities

File No.: POA-XXXX-XXXX

Waterway: Anchor River, North Fork Anchor River, Two Moose Creek, Beaver Creek, Ruby Creek, Diamond Creek

Proposed Activity: Linear Transportation Project

T5S R14W, T5S R15W, T6S R14W Seward Meridian

Lat.: 59.730106° N           Long.: -151.725862° W

Sheet: 59 of 150                                                                      Date: 2/17/2022

---

Existing Road

DOT&PF ROW

Fill Limits

Proposed Project Centerline

Proposed Guardrail

Proposed Project

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Existing Riprap

Bank Reconstruction

Roadway Obliteration

Anadromous Stream (ADF&G)

Wetlands

Wetland Impact

Wetlands

Waterways

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K:\24\61608-01\60GIS\ArcPro\Sterling 157-169\Sterling 157-169.aprx     Feb 17, 2022     6:58 PM      User: tjameson
Applicant: State of Alaska, Department of Transportation & Public Facilities
File No.: POA-XXXX-XXXX
Waterway: Anchor River, North Fork Anchor River, Two Moose Creek, Beaver Creek, Ruby Creek, Diamond Creek
Proposed Activity: Linear Transportation Project
T5S R14W, T5S R15W, T6S R14W Seward Meridian
Lat.: 59.730106° N           Long.: -151.725862° W
Sheet: 62 of 150
Date: 2/17/2022

Existing Road
DOT&PF ROW
Fill Limits
Proposed Project Centerline
Proposed Project

Existing Culvert
Proposed Culvert

Wetlands
Waterways
Wetland Impact
Applicant: State of Alaska, Department of Transportation & Public Facilities
File No.: POA-XXXX-XXXX
Waterway: Anchor River, North Fork Anchor River, Two Moose Creek, Beaver Creek, Ruby Creek, Diamond Creek
Proposed Activity: Linear Transportation Project
T5S R14W, T5S R15W, T6S R14W Seward Meridian
Lat.: 59.730106° N           Long.: -151.725862° W
Sheet: 63 of 150
Date: 2/17/2022

Existing Road
DOT&PF ROW
Fill Limits
Proposed Project Centerline
Proposed Project

Existing Culvert
Wetlands
Waterways
Wetland Impact

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ID 308
PEM1C
0.043 Acres

ID 313
PEM1C
0.026 Acres

ID 316
PEM1H
0.024 Acres

ID 322.1
PEM1C
0.009 Acres

ID 306
PEM1B
0.143 Acres

ID 315
POL1B
0.006 Acres

ID 318
PEM1C
0.001 Acres

ID 319
POL1B
0.009 Acres

ID 322.2
PEM1C
0.002 Acres

ID 323
PEM1C
0.130 Acres

ID 327
PEM1C
0.077 Acres

ID 333
R3UB3
0.072 Acres

ID 319
R3UB3
0.009 Acres

ID 315
R3UB3
0.006 Acres

ID 325.1
PEM1C
0.002 Acres

ID 333
PSS1/EM1B
0.000 Acres

ID 325.2
PEM1C
0.034 Acres

ID 325.1
PEM1C
0.002 Acres

ID 325.1
PEM1C
0.002 Acres

ID 325.1
PEM1C
0.002 Acres

ID 325.1
PEM1C
0.002 Acres
Applicant: State of Alaska, Department of Transportation & Public Facilities
File No.: POA-XXXX-XXXX
Waterway: Anchor River, North Fork Anchor River, Two Moose Creek, Beaver Creek, Ruby Creek, Diamond Creek
Proposed Activity: Linear Transportation Project
T5S R14W, T5S R15W, T6S R14W Seward Meridian
Lat.: 59.730106° N   Long.: -151.725862° W
Sheet: 64 of 150   Date: 2/17/2022

Existing Road
DOT&PF ROW
Fill Limits
Cut Limits
Proposed Project Centerline
Proposed Project

Proposed Culvert
Existing Culvert
Proposed Riprap
Open Water
Wetlands
Waterways
Wetland Impact

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Applicant: State of Alaska, Department of Transportation & Public Facilities
File No.: POA-XXXX-XXXX
Waterway: Anchor River, North Fork Anchor River, Two Moose Creek,
        Beaver Creek, Ruby Creek, Diamond Creek
Proposed Activity: Linear Transportation Project
T5S R14W, T5S R15W, T6S R14W Seward Meridian
Lat.: 59.730106° N           Long.: -151.725862° W
Sheet: 66 of 150
Date: 2/17/2022
Applicant: State of Alaska, Department of Transportation & Public Facilities

File No.: POA-XXXX-XXXX

Waterway: Anchor River, North Fork Anchor River, Two Moose Creek, Beaver Creek, Ruby Creek, Diamond Creek

Proposed Activity: Linear Transportation Project

T5S R14W, T5S R15W, T6S R14W Seward Meridian
Lat.: 59.730106° N  Long.: -151.725862° W

Proposed Project Centerline
Existing Road
DOT&PF ROW
Fill Limits
Cut Limits
Proposed Project Centerline
Proposed Guardrail

Existing Road
Proposed Project
Wetlands
DOT&PF ROW
Existing Culvert
Waterways
Fill Limits
Cut Limits
 Proposed Project Centerline
 Proposed Guardrail

Wetland Impact

POA-2022-00248

Sheet: 67 of 150  Date: 2/17/2022
Applicant: State of Alaska, Department of Transportation & Public Facilities

File No.: POA-XXXX-XXXX

Waterway: Anchor River, North Fork Anchor River, Two Moose Creek, Beaver Creek, Ruby Creek, Diamond Creek

Proposed Activity: Linear Transportation Project
T5S R14W, T5S R15W, T6S R14W Seward Meridian
Lat.: 59.730106° N           Long.: -151.725862° W

Existing Road
DOT&PF ROW
Fill Limits
Cut Limits
Proposed Project Centerline
Proposed Project

Existing Culvert
Open Water
Wetlands
Waterways
Wetland Impact

Sheet: 84 of 150

Date: 2/17/2022

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Applicant: State of Alaska, Department of Transportation & Public Facilities

File No.: POA-XXXX-XXXX

Waterway: Anchor River, North Fork Anchor River, Two Moose Creek, Beaver Creek, Ruby Creek, Diamond Creek

Proposed Activity: Linear Transportation Project

T5S R14W, T5S R15W, T6S R14W Seward Meridian

Lat.: 59.730106° N           Long.: -151.725862° W

Sheet: 85 of 150

Date: 2/17/2022

Existing Road
DOT&PF ROW
Fill Limits
Proposed Project Centerline
Proposed Guardrail
Proposed Project

Wetlands
Waterways
Wetland Impact
Applicant: State of Alaska, Department of Transportation & Public Facilities
File No.: POA-XXXX-XXXX
Waterway: Anchor River, North Fork Anchor River, Two Moose Creek,
Beaver Creek, Ruby Creek, Diamond Creek
Proposed Activity: Linear Transportation Project
T5S R14W, T5S R15W, T6S R14W Seward Meridian
Lat.: 59.730106° N           Long.: -151.725862° W
Sheet: 87 of 150
Date: 2/17/2022

POA-2022-00248
Proposed Activity: Linear Transportation Project

Applicant: State of Alaska, Department of Transportation & Public Facilities

File No.: POA-XXXX-XXXX

Waterway: Anchor River, North Fork Anchor River, Two Moose Creek, Beaver Creek, Ruby Creek, Diamond Creek

Proposed Project Centerline

Proposed Guardrail

Anadromous Stream (ADF&G)

Existing Road

DOT&PF ROW

Fill Limits

Cut Limits

Proposed Project Centerline

Proposed Guardrail

Existing Culvert

Proposed Riprap

Riprap Revetment

Wetlands

Waterways

Wetland Impact

Sheet: 89 of 150

Date: 2/17/2022

[Diagram of project locations and features]
Applicant: State of Alaska, Department of Transportation & Public Facilities
File No.: POA-XXXX-XXXX
Waterway: Anchor River, North Fork Anchor River, Two Moose Creek, Beaver Creek, Ruby Creek, Diamond Creek
Proposed Activity: Linear Transportation Project
T5S R14W, T5S R15W, T6S R14W Seward Meridian
Lat.: 59.730106° N           Long.: -151.725862° W
Sheet: 90 of 150
Date: 2/17/2022

POA-2022-00248

Existing Road
DOT&PF ROW
Fill Limits
Cut Limits
Proposed Project Centerline
Proposed Guardrail
Anadromous Stream (ADF&G)
Wetlands
Waterways
Wetland Impact

Proposed Project
Proposed Culvert
Existing Culvert
Proposed Riprap
Riprap Revetment

05 025 Feet

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Applicant: State of Alaska, Department of Transportation & Public Facilities

File No.: POA-XXXX-XXXX

Waterway: Anchor River, North Fork Anchor River, Two Moose Creek, Beaver Creek, Ruby Creek, Diamond Creek

Proposed Activity: Linear Transportation Project

T5S R14W, T5S R15W, T6S R14W Seward Meridian

Lat.: 59.730106° N           Long.: -151.725862° W

Existing Road

DOT&PF ROW

Fill Limits

Proposed Project Centerline

Proposed Guardrail

Proposed Project

Anadromous Stream (ADF&G)

Wetlands

Waterways

Wetland Impact

05 025 Feet

Date: 2/17/2022

Sheet: 91 of 150
 Applicant: State of Alaska, Department of Transportation & Public Facilities

File No.: POA-XXXX-XXXX

Waterway: Anchor River, North Fork Anchor River, Two Moose Creek,
Beaver Creek, Ruby Creek, Diamond Creek

Proposed Activity: Linear Transportation Project

T5S R14W, T5S R15W, T6S R14W Seward Meridian

Lat.: 59.730106° N Long.: -151.725862° W

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---

Existing Road

DOT&PF ROW

Fill Limits

Anadromous Stream (ADF&G)

Wetlands

Waterways

Wetland Impact

Proposed Project Centerline

Proposed Guardrail

Proposed Project

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RAW_2022-00248
Applicant: State of Alaska, Department of Transportation & Public Facilities
File No.: POA-XXXX-XXXX
Waterway: Anchor River, North Fork Anchor River, Two Moose Creek, Beaver Creek, Ruby Creek, Diamond Creek
Proposed Activity: Linear Transportation Project
T5S R14W, T5S R15W, T6S R14W Seward Meridian
Lat.: 59.730106° N  Long.: -151.725862° W
Sheet: 95 of 150  Date: 2/17/2022

POA-2022-00248

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Existing Road
DOT&PF ROW
Fill Limits
Cut Limits
Proposed Project Centerline
Proposed Guardrail
Anadromous Stream (ADF&G)
Wetlands
Waterways
Bank Reconstruction
Wetland Impact
Stream Backfill

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New Stream Channel, See Sheet 149
Applicant: State of Alaska, Department of Transportation & Public Facilities

File No.: POA-XXXX-XXXX
Waterway: Anchor River, North Fork Anchor River, Two Moose Creek, Beaver Creek, Ruby Creek, Diamond Creek

Proposed Activity: Linear Transportation Project
T5S R14W, T5S R15W, T6S R14W Seward Meridian
Lat.: 59.730106° N           Long.: -151.725862° W
Sheet: 98 of 150

Existing Road
DOT&PF ROW
Fill Limits
Cut Limits
Proposed Project Centerline
Proposed Guardrail

Proposed Project
Wetlands
Waterways
Existing Culvert
Wetland Impact
Proposed Riprap

POA-2022-00248

Date: 2/17/2022
Applicant: State of Alaska, Department of Transportation & Public Facilities

File No.: POA-XXXX-XXXX

Waterway: Anchor River, North Fork Anchor River, Two Moose Creek, Beaver Creek, Ruby Creek, Diamond Creek

Proposed Activity: Linear Transportation Project

T5S R14W, T5S R15W, T6S R14W

Seward Meridian

Lat.: 59.730106° N           Long.: -151.725862° W

Sheet: 99 of 150

Date: 2/17/2022

Existing Road

Proposed Project

Wetlands

DOT&PF ROW

Fill Limits

Cut Limits

Proposed Project Centerline

Proposed Guardrail

Wetland Impact

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POA-2022-00248

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Applicant: State of Alaska, Department of Transportation & Public Facilities

File No.: POA-XXXX-XXXX

Waterway: Anchor River, North Fork Anchor River, Two Moose Creek, Beaver Creek, Ruby Creek, Diamond Creek

Proposed Activity: Linear Transportation Project

T5S R14W, T5S R15W, T6S R14W Seward Meridian

Lat.: 59.730106° N           Long.: -151.725862° W

Sheet: 100 of 150  Date: 2/17/2022

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Existing Road

DOT&PF ROW

Fill Limits

Cut Limits

Proposed Project Centerline

Proposed Project

---

Wetlands

Waterways

Wetland Impact

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Applicant: State of Alaska, Department of Transportation & Public Facilities
File No.: POA-XXXX-XXXX
Waterway: Anchor River, North Fork Anchor River, Two Moose Creek, Beaver Creek, Ruby Creek, Diamond Creek
Proposed Activity: Linear Transportation Project
T5S R14W, T5S R15W, T6S R14W Seward Meridian
Lat.: 59.730106° N  Long.: -151.725862° W
Sheet: 101 of 150  Date: 2/17/2022

Existing Road
DOT&PF ROW
Fill Limits
Cut Limits
Proposed Project Centerline
Proposed Guardrail

Proposed Project
Existing Culvert
Proposed Culvert
Proposed Riprap
Roadway Obliteration

Wetlands
Waterways
Wetland Impact
Applicant: State of Alaska, Department of Transportation & Public Facilities

File No.: POA-XXXX-XXXX

Waterway: Anchor River, North Fork Anchor River, Two Moose Creek, Beaver Creek, Ruby Creek, Diamond Creek

Proposed Activity: Linear Transportation Project

T55 R14W, T55 R15W, T6S R14W Seward Meridian

Lat.: 59.730106° N           Long.: -151.725862° W

Sheet: 102 of 150        Date: 2/17/2022

Existing Road

DOT&PF ROW

Fill Limits

Cut Limits

Proposed Project Centerline

Proposed Guardrail

Proposed Project

Open Water

Wetlands

Waterways

Wetland Impact

05 025 Feet

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Applicant: State of Alaska, Department of Transportation & Public Facilities
File No.: POA-XXXX-XXXX
Waterway: Anchor River, North Fork Anchor River, Two Moose Creek, Beaver Creek, Ruby Creek, Diamond Creek
Proposed Activity: Linear Transportation Project
T5S R14W, T5S R15W, T6S R14W Seward Meridian
Lat.: 59.730106° N  Long.: -151.725862° W
Sheet: 103 of 150  Date: 2/17/2022

POA-2022-00248

Existing Road  Proposed Project

DOT&PF ROW
Fill Limits
Cut Limits
Proposed Project Centerline
Proposed Guardrail

Wetlands
Waterways
Wetland Impact
Applicant: State of Alaska, Department of Transportation & Public Facilities

File No.: POA-XXXX-XXXX

Waterway: Anchor River, North Fork Anchor River, Two Moose Creek, Beaver Creek, Ruby Creek, Diamond Creek

Proposed Activity: Linear Transportation Project

T5S R14W, T5S R15W, T6S R14W Seward Meridian
Lat.: 59.730106° N  Long.: -151.725862° W

Sheet: 106 of 150  Date: 2/17/2022

Proposed Project Centerline

Existing Road

Proposed Project

Proposed Riprap

DOT&PF ROW

Fill Limits

Cut Limits

 Proposed Project Centerline

Proposed Project

Waterways

Wetland Impact

ID 584
R4U8E3
0.003 Acres

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POA-2022-00248

0 25 50 Feet
Applicant: State of Alaska, Department of Transportation & Public Facilities

File No.: POA-XXXX-XXXX

Waterway: Anchor River, North Fork Anchor River, Two Moose Creek, Beaver Creek, Ruby Creek, Diamond Creek

Proposed Activity: Linear Transportation Project

T5S R14W, T5S R15W, T6S R14W Seward Meridian

Lat.: 59.730106° N  Long.: -151.725862° W

Sheet: 107 of 150  Date: 2/17/2022

Existing Road  Proposed Project  Waterways

DOT&PF ROW  Proposed Riprap  Wetland Impact

Fill Limits  Proposed Project Centerline

Cut Limits  Proposed Guardrail

Proposed Project

ID 585
R4UB3
0.000 Acres

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Applicant: State of Alaska, Department of Transportation & Public Facilities
File No.: POA-XXXX-XXXX
Waterway: Anchor River, North Fork Anchor River, Two Moose Creek, Beaver Creek, Ruby Creek, Diamond Creek
Proposed Activity: Linear Transportation Project
T5S R14W, T5S R15W, T6S R14W Seward Meridian
Lat.: 59.730106° N           Long.: -151.725862° W
Sheet: 110 of 150        Date: 2/17/2022

Existing Road
DOT&PF ROW
Fill Limits
Cut Limits
Proposed Project Centerline
Proposed Guardrail

Waterways
Wetland Impact

K:\24\61608-01\60GIS\ArcPro\Sterling 157-169\Sterling 157-169.aprx     Feb 17,  2022     7:03 PM      User: tjameson
Applicant: State of Alaska, Department of Transportation & Public Facilities
File No.: POA-XXXX-XXXX
Waterway: Anchor River, North Fork Anchor River, Two Moose Creek, Beaver Creek, Ruby Creek, Diamond Creek
Proposed Activity: Linear Transportation Project
T5S R14W, T5S R15W, T6S R14W Seward Meridian
Lat.: 59.730106° N Long.: -151.725862° W
Sheet: 112 of 150 Date: 2/17/2022

05 025 Feet

Proposed Project
Proposed Culvert
Wetland Impact

Existing Road
DOT&PF ROW
Fill Limits
Cut Limits
Proposed Project Centerline
Proposed Guardrail

POA-2022-00248
Applicant: State of Alaska, Department of Transportation & Public Facilities

File No.: POA-XXXX-XXXX

Waterway: Anchor River, North Fork Anchor River, Two Moose Creek, Beaver Creek, Ruby Creek, Diamond Creek

Proposed Activity: Linear Transportation Project

T5S R14W, T5S R15W, T6S R14W Seward Meridian

Lat.: 59.730106° N           Long.: -151.725862° W

Existing Road

DOT&PF ROW

Fill Limits

Cut Limits

Proposed Project Centerline

Proposed Project

Roadway Obliteration

Waterways

Wetland Impact

05 025 Feet

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Applicant: State of Alaska, Department of Transportation & Public Facilities

File No.: POA-XXXX-XXXX

Waterway: Anchor River, North Fork Anchor River, Two Moose Creek, Beaver Creek, Ruby Creek, Diamond Creek

Proposed Activity: Linear Transportation Project

T5S R14W, T5S R15W, T6S R14W Seward Meridian

Lat.: 59.730106° N           Long.: -151.725862° W

Sheet: 118 of 150  Date: 2/17/2022

Roadway Obliteration
existing Road
Cut Limits
Fill Limits
DOT&PF ROW
Proposed Project Centerline
Proposed Project

Waterways
Wetland Impact

K:\24\61608-01\60GIS\ArcPro\Sterling 157-169\Sterling 157-169.aprx     Feb 17,  2022     7:04 PM      User: tjameson
Applicant: State of Alaska, Department of Transportation & Public Facilities

File No.: POA-XXXX-XXXX

Waterway: Anchor River, North Fork Anchor River, Two Moose Creek, Beaver Creek, Ruby Creek, Diamond Creek

Proposed Activity: Linear Transportation Project

T5S R14W, T5S R15W, T6S R14W Seward Meridian
Lat.: 59.730106° N           Long.: -151.725862° W

Existing Road

DOT&PF ROW

Fill Limits

Cut Limits

Proposed Project Centerline

Proposed Project

Roadway Obliteration

Waterways

Wetland Impact

Existing Road

DOT&PF ROW

Fill Limits

Cut Limits

Proposed Project Centerline

Proposed Project

Roadway Obliteration

Waterways

Wetland Impact

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Sheet: 120 of 150  Date: 2/17/2022

POA-2022-00248
Applicant: State of Alaska, Department of Transportation & Public Facilities

File No.: POA-XXXX-XXXX

Waterway: Anchor River, North Fork Anchor River, Two Moose Creek, Beaver Creek, Ruby Creek, Diamond Creek

Proposed Activity: Linear Transportation Project

T5S R14W, T5S R15W, T6S R14W Seward Meridian
Lat.: 59.730106° N  Long.: -151.725862° W

Sheet: 121 of 150  Date: 2/17/2022

Existing Road
DOT&PF ROW
Fill Limits
Cut Limits
Proposed Project Centerline
Proposed Project

Roadway Obliteration
Waterways
Wetland Impact

0 25 50 Feet
Applicant: State of Alaska, Department of Transportation & Public Facilities

File No.: POA-XXXX-XXXX

Waterway: Anchor River, North Fork Anchor River, Two Moose Creek, Beaver Creek, Ruby Creek, Diamond Creek

Proposed Activity: Linear Transportation Project

T5S R14W, T5S R15W, T6S R14W Seward Meridian

Lat.: 59.730106° N  Long.: -151.725862° W

Sheet: 122 of 150  Date: 2/17/2022

POA-2022-00248
Applicant: State of Alaska, Department of Transportation & Public Facilities

File No.: POA-XXXX-XXXX

Waterway: Anchor River, North Fork Anchor River, Two Moose Creek, Beaver Creek, Ruby Creek, Diamond Creek

Proposed Activity: Linear Transportation Project

T5S R14W, T5S R15W, T6S R14W Seward Meridian

Lat.: 59.730106° N           Long.: -151.725862° W

Sheet: 123 of 150

Date: 2/17/2022
Applicant: State of Alaska, Department of Transportation & Public Facilities
File No.: POA-XXXX-XXXX
Waterway: Anchor River, North Fork Anchor River, Two Moose Creek, Beaver Creek, Ruby Creek, Diamond Creek
Proposed Activity: Linear Transportation Project
T5S R14W, T5S R15W, T6S R14W Seward Meridian
Lat.: 59.730106° N  Long.: -151.725862° W
Sheet: 126 of 150  Date: 2/17/2022

Existing Road  DOT&PF ROW
Existing Culvert  Proposed Culvert
Fill Limits  Proposed Project
Cut Limits  Stream Backfill
Proposed Project Centerline  Wetlands
Proposed Guardrail  Waterways
Proposed Riprap  Wetland Impact
Bank Reconstruction  Roadway Obliteration
Applicant: State of Alaska, Department of Transportation & Public Facilities

File No.: POA-XXXX-XXXX

Waterway: Anchor River, North Fork Anchor River, Two Moose Creek, Beaver Creek, Ruby Creek, Diamond Creek

Proposed Activity: Linear Transportation Project

T5S R14W, T5S R15W, T6S R14W Seward Meridian
Lat.: 59.730106° N  Long.: -151.725862° W

Sheet: 129 of 150  Date: 2/17/2022

Existing Road

DOT&PF ROW

Fill Limits

Cut Limits

Proposed Project Centerline

Proposed Project

Wetlands

Proposed Culvert

Proposed Riprap

Waterways

Wetland Impact

ID 665
PEM1C
0.017 Acres

ID 664
PSS1B
0.089 Acres

ID 663
PSS1B
0.009 Acres

ID 662
R4UE3
0.016 Acres

ID 661
PEM1C
0.035 Acres

ID 660
R4UB3
0.004 Acres

ID 659.4
PSS1B
0.009 Acres

ID 659.3
PSS1B
0.089 Acres

ID 659.2
R4UE3
0.016 Acres

ID 659
PSS1B
0.017 Acres

ID 658.6
PSS1B
0.017 Acres
Applicant: State of Alaska, Department of Transportation & Public Facilities
File No.: POA-XXXX-XXXX
Waterway: Anchor River, North Fork Anchor River, Two Moose Creek, Beaver Creek, Ruby Creek, Diamond Creek
Proposed Activity: Linear Transportation Project
T5S R14W, T5S R15W, T6S R14W Seward Meridian
Lat.: 59.730106° N           Long.: -151.725862° W
Sheet: 137 of 150
Date: 2/17/2022

POA-2022-00248
Applicant: State of Alaska, Department of Transportation & Public Facilities
File No.: POA-XXXX-XXXX
Waterway: Anchor River, North Fork Anchor River, Two Moose Creek, Beaver Creek, Ruby Creek, Diamond Creek
Proposed Activity: Linear Transportation Project
T5S R14W, T5S R15W, T6S R14W Seward Meridian
Lat.: 59.730106° N Long.: -151.725862° W
Sheet: 141 of 150 Date: 2/17/2022

<table>
<thead>
<tr>
<th>Existing Road</th>
<th>Proposed Project</th>
<th>Wetlands</th>
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<td>DOT&amp;PF ROW</td>
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<td>Cut Limits</td>
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<td>Proposed Project Centerline</td>
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<td>Proposed Guardrail</td>
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<tr>
<td>Existing Culvert</td>
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<tr>
<td>Wetland Impact</td>
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<tr>
<td>Proposed Riprap</td>
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</table>

| ID 712 PEMB | 0.015 Acres |
| ID 720.1 PEMB | 0.002 Acres |

POA-2022-00248
Applicant: State of Alaska, Department of Transportation & Public Facilities
File No.: POA-2022-00248
Waterway: Anchor River, North Fork Anchor River, Two Moose Creek, Beaver Creek, Ruby Creek, Diamond Creek
Proposed Activity: Linear Transportation Project
T5S R14W, T5S R15W, T6S R14W Seward Meridian
Lat.: 59.730106° N   Long.: -151.725862° W
Sheet: 143 of 150
Date: 8/26/2021

North Fork Anchor River Bridge
North Fork Anchor River Restoration Details
Two Moose Creek
Sections and Details
Applicant: State of Alaska, Department of Transportation & Public Facilities
File No.: POA- POA-2022-00248
Waterway: Anchor River, North Fork Anchor River, Two Moose Creek, Beaver Creek, Ruby Creek, Diamond Creek
Proposed Activity: Linear Transportation Project
T5S R14W, T5S R15W, T6S R14W Seward Meridian
Lat.: 59.730106° N Long.: -151.725862° W
Sheet: 146 of 150
Date: 8/26/2021

Beaver Creek Sections and Details

CONSTRUCTED STREAM

CULVERT INFILL
Anchor River Bridge

Applicant: State of Alaska, Department of Transportation & Public Facilities
File No.: POA-2022-00248
Waterway: Anchor River, North Fork Anchor River, Two Moose Creek, Beaver Creek, Ruby Creek, Diamond Creek
Proposed Activity: Linear Transportation Project
T5S R14W, T5S R15W, T6S R14W Seward Meridian
Lat.: 59.730106° N  Long.: -151.725862° W
Sheet: 147 of 150  Date: 8/26/2021
Ruby Creek #1
Sections and Details
Ruby Creek #2
Sections and Details
Applicant: State of Alaska, Department of Transportation & Public Facilities
File No.: POA-XXXX-XXXX
Waterway: Anchor River, North Fork Anchor River, Two Moose Creek, Beaver Creek, Ruby Creek, Diamond Creek
Proposed Activity: Linear Transportation Project

T5S R14W, T5S R15W, T6S R14W Seward Meridian
Lat.: 59.730106° N Long.: -151.725862° W
Sheet: 150 of 150 Date: 2/9/2022

Diamond Creek
Sections and Details

[Diagram of Diamond Creek sections and details with notes]

GENERAL NOTES:
1. Constructed channel bed to have minimal thickness of 2 feet. Use only depth of waterway bed fill necessary on interior native bed material to bring channel up to grade.
2. Construct streambed and banks leaving a non-uniform boulder surface.
3. Waterway bank fill. Provide minimum width of 4' on each bank.
4. Vary location of low flow channel and thalweg between river banks along length of culvert.
Request for CWA §401 Water Quality Certification
Alaska Department of Environmental Conservation
Division of Water – Wastewater Discharge Authorization Program
555 Cordova Street, Anchorage AK 99501
email: dec-401Cert@alaska.gov Phone: 907-269-6285

I. Identify the applicable federal license or permit*

| Permit License Number: | Federal Agency: | ☑ USACE, ☐ FERC, or ☐ Other: |

*A copy of the federal permit or license application is required to be submitted with the request for the water quality certification. (18 AAC 15.130, 18 AAC 15.180)

II. Project Proponent and Point of Contact

<table>
<thead>
<tr>
<th>Applicant Information</th>
<th>Point of Contact or Agent Information</th>
</tr>
</thead>
<tbody>
<tr>
<td>First</td>
<td>Middle</td>
</tr>
<tr>
<td>Heidi</td>
<td>Zimmer</td>
</tr>
<tr>
<td>Alaska DOT&amp;PF, Central Region</td>
<td>Environmental Analyst</td>
</tr>
<tr>
<td>P.O. Box 196900</td>
<td>Anchorage AK 99519</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Email</th>
<th>Phone</th>
<th>Fax (optional)</th>
<th>Email</th>
<th>Phone</th>
<th>Fax (optional)</th>
</tr>
</thead>
<tbody>
<tr>
<td><a href="mailto:heidi.zimmer@alaska.gov">heidi.zimmer@alaska.gov</a></td>
<td>9072690529</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

Statement of Authorization

I hereby authorize ________________ to act in my behalf as my agent in the processing of this application and to furnish, upon request, supplemental information in support of this permit/certification application.

______________
SIGNATURE OF APPLICANT

DATE

III. Name, Location, and Description of Project or Activity

Sterling Highway MP 157-169 Rehabilitation, Anchor Point to Baycrest Hill

<table>
<thead>
<tr>
<th>Project Name or Title</th>
<th>See attached supplemental information sheet</th>
</tr>
</thead>
<tbody>
<tr>
<td>MP 157-169</td>
<td></td>
</tr>
<tr>
<td>Anchor Point to Homer AK</td>
<td>Latitude (Decimal Degrees, 6 places)</td>
</tr>
<tr>
<td>Project Street Address (if applicable)</td>
<td></td>
</tr>
<tr>
<td>City</td>
<td>State</td>
</tr>
<tr>
<td>Kenai Peninsula Borough</td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Other Location Descriptions if known:</th>
<th>State Tax Parcel ID</th>
<th>Municipality</th>
<th>Section</th>
<th>Township</th>
<th>Range</th>
</tr>
</thead>
<tbody>
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</table>

Directions to the site:
Starting at the Homer Airport turn right Kachemak Drive. Turn right on Homer Spit Road until it turns into Sterling Highway for approximately 5 miles until Baycrest Hill, which is the ending of the project. The next 12 miles of the Sterling Highway until Anchor Point are within the project footprint.

Nature of Activity (Description of project, include all features)

Proposed work includes the rehabilitation of the roadway; replacement of existing culverts at North Fork Anchor River with a new bridge; replacement of the Anchor River bridge with a new bridge; realignment of vertical and horizontal curves and modification of grades to improve sight distance and upgrade roadway to current highway design standards in accordance with the DOT&PF Preconstruction Manual and AASHTO; construction of passing and climbing lanes; improvement to turning movements and sight distance at intersections by constructing right/ left turn lanes and realigning side roads, as needed; widening of shoulders; installation of erosion control measures; clearing of vegetation, as needed; and repairing, replacing or improving as needed; existing culverts, including fish passage culverts; erosion protection; drainage facilities; utilities; guardrail and guardrail end treatments; approaches; signing; and striping.

Project Purpose (Describe the reason(s) for discharge)
To restore the structural integrity of, reduce congestion, and improve drivability and safety of the Sterling Highway from MP 157 to MP 169.

<table>
<thead>
<tr>
<th>For fill material, identify the material source:</th>
<th>To be determined by the contractor</th>
</tr>
</thead>
<tbody>
<tr>
<td>Types of material being discharged and the amount of each type in cubic yards:</td>
<td>Borrow material 109,800 yd³ Stream substrate/Riprap 4,500 yd³</td>
</tr>
</tbody>
</table>

| Surface area in acres of wetlands or other waters filled: | Acres: 14.5 or, linear feet: 3,620 |
Is dredging involved? ☑ Yes, ☐ No; If yes, how much? \(1.67\) acres and volume \(8,700\) yd\(^3\).

a. Is the dredging considered a ☑ new project, or is it ☐ maintenance? If maintenance, how frequent? ____________

b. Proposed Placement of dredged material: (provide center coordinates of placement area)
   - ☑ Upland, ☐ in water, ☑ Other: To be determined by contractor

<table>
<thead>
<tr>
<th>Latitude</th>
<th>Longitude</th>
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<th>Latitude</th>
<th>Longitude</th>
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</table>

c. Has a Tier analysis been conducted of the dredged prism? ☐ Yes, ☑ No; If yes, attach tier analysis and sample results.

   Note, If marked no, this may later be required upon review of request.

   (for example of Tier analysis, see EPA Inland Testing Manual or USACE Seattle District Civil Works DMMP User Manual)

Is any portion of the work already complete? ☐ Yes, ☑ No If yes, describe the completed work:

IV. Identify the location and nature of any potential discharge that may result from the proposed project and the location of receiving waters;

Name and location of receiving waters, and geographical extent potentially affected by the proposed discharge:

Wetlands along project corridor, North Fork Anchor River, Anchor River, Two Moose Creek, Beaver Creek, Ruby Creek #1 and #2, Diamond Creek, Unnamed perennial streams (various locations), and Unnamed intermittent streams (various locations).

See Figure 1 and Figure Set 2 (Sheets 1-15).

Location of potential discharge (Decimal Degrees, 5 places minimum), describe if necessary:

<table>
<thead>
<tr>
<th>Activity</th>
<th>Description</th>
<th>Receiving Waterbody Name</th>
<th>Latitude</th>
<th>Longitude</th>
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</thead>
<tbody>
<tr>
<td>a. ☑ ☑</td>
<td>See attached supplement information sheet</td>
<td></td>
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<td>b. ☐ ☐</td>
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<td>c. ☐ ☐</td>
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<td>d. ☐ ☐</td>
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<td>e. ☐ ☐</td>
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</tbody>
</table>

Is the project within 1,500 feet of a known contaminated site: ☑ Yes, ☐ No (see DEC Contaminated Sites Program website).

   If yes, describe the identified contaminated site(s) or groundwater plume within 1,500 feet.

   See attached supplemental information sheet

Parameter(s) of Concern: (check all that apply): ☑ Turbidity, ☑ Sediment, ☐ Petroleum Hydrocarbons, ☐ Metals, ☐ Other, ______

Identify the parameters of concern that may be present in your discharge. Consider if other parameters may be present from past activities in the area. Describe if known respective concentrations, persistence, and potential impacts to the receiving water and data on parameters that may alter the effects of the discharge to the receiving water:

   Ground disturbing activities and storm water runoff may result in temporary water quality degradation of adjacent streams, wetlands, and other waterbodies. Implementation of a storm water pollution prevention plan and utilization of suitable best management practices would minimize adverse impacts to water quality during the project.

Impaired Waters: Does a discharge of any parameter identified above occur to an impaired waterbody listed as a Category 4 [304(b)] or Category 5 [303(d)] in the current EPA approved Alaska's Integrated Water Quality Monitoring and Assessment Report? (See http://dec.alaska.gov/water/water-quality/impaired-waters.aspx for the most recently approved report and category listings.)

   ☑ Yes, ☐ No

   If determined necessary and requested by the Department, submit sufficient and credible baseline water quality information for the receiving water which meets the requirements of 18 AAC 70.016(a)(6)(A-C).
**Social or Economic Importance** (18 AAC 70.016(c)(5): Provide information that demonstrates the accommodation of important social or economic development. The applicant shall complete either a social OR economic importance analysis (or both) for each affected community in the area where the receiving water for the proposed discharge is located. (If additional space is needed, attach separate sheet)

(A) **Social Importance Analysis:**

- ☑ community services provided;
- ☐ public health or safety improvements;
- ☑ infrastructure improvements;
- ☐ education and training;
- ☐ cultural amenities;
- ☐ recreational opportunities

(B) **Economic Importance Analysis:**

- ☐ employment, job availability, and salary impacts;
- ☐ tax base impacts;
- ☐ expanded leases and royalties;
- ☐ commercial activities;
- ☐ access to resources;
- ☑ access to a transportation network

Describe (checked items above or attach as separate document)

The Sterling Highway is the only continuous surface transportation route connecting the Kenai Peninsula and the rest of Alaska's highway system. It is a rural principal arterial and at Anchor Point is the western most point of the North American highway system. Travel on the highway peaks during summer months due to construction, tourism, and recreational activities on the Kenai Peninsula.

The proposed project would rehabilitate the roadway and provide long-term benefits to the traveling public by providing designated passing opportunities, widened shoulders, improving drainage, moose warning signs, and straightening horizontal and vertical curves. No adverse social or cultural impacts would occur from the proposed project nor would neighborhoods, community cohesion, or accessibility be affected.

The proposed project would result in a long-term economic benefit to the region by improving the safety and efficiency of commercial traffic along the corridor. The proposed project would not permanently change access patterns, relocate any business, or bisect any established business districts. The proposed project would not result in a permanent adverse economic impact.

**V. Include a description of any methods and means proposed to monitor the discharge and the equipment or measures planned to treat, control, or manage the discharge**

(Example: Provide a brief explanation describing how impacts to waters of the United States are being avoided and minimized on the project site. Include best management practices (BMPs) for sediment and erosion controls that will be implemented to minimize the environmental impacts.)

DOT&PF will prepare an Erosion and Sediment Control Plan during project design and provide it to the Contractor.

A DOT&PF approved SWPPP, Hazardous Materials Control Plan, and Spill Prevention, Control, and Countermeasure Plan (if applicable) will be implemented in accordance with contract specifications and the APDES Construction General Permit.

**VI. Include a list of all other federal, interstate, tribal, state, territorial, or local agency authorizations required for the proposed project, including all approvals or denials already received.**

<table>
<thead>
<tr>
<th>Agency</th>
<th>Type of Approval*</th>
<th>Identification Number</th>
<th>Date Applied</th>
<th>Date Approved</th>
<th>Date Denied</th>
</tr>
</thead>
<tbody>
<tr>
<td>Kenai Peninsula Borough</td>
<td>MultiAgency Permit (floodplain, habitat protection district)</td>
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<tr>
<td>ADF&amp;G</td>
<td>Title 16 Fish Habitat Permit</td>
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<tr>
<td>USACE</td>
<td>Section 404 Individual Permit</td>
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</table>

* Would include but is not restricted to zoning, building, and flood plain permits.

(DEC 401-Cert Request Form, Jan-2022)
### Addresses of Adjoining Property Owners, Lessees, Etc. Whose Property Adjoins the Waterbody(s) listed in Section IV (if more than can be entered here, please attach a supplemental list)

<table>
<thead>
<tr>
<th>Name(s)</th>
<th>Address</th>
<th>City</th>
<th>State</th>
<th>Zip</th>
</tr>
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<tbody>
<tr>
<td>a.</td>
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### VII. Attachments:
- **Required:** Copy of the federal license or permit requiring certification under 33 U.S.C. 1341 (Clean Water Act, Section 401) to include all accompanying information, contemporaneous with the submission of the application to the federal licensing or permitting agency. (18 AAC 15.130, 18 AAC 15.180)
- **Required:** Figures and/or Drawings/Plan Sets
- Tier Analysis of dredged material
- Sampling Results
- Baseline Water Quality Information
- Other/Comments

### VIII. Certification Statement:
As per 18 AAC 15.030 signing of applications, all permit or approval applications must be signed as follows:

1. in the case of corporations, by a principal executive officer of at least the level of vice president or his duly authorized representative, if the representative is responsible for the overall management of the project or operation;
2. in the case of a partnership, by a general partner;
3. in the case of a sole proprietorship, by the proprietor; and
4. in the case of a municipal, state, federal or other public facility, by either a principal executive officer, ranking elected official, or other duly authorized employee.

The project proponent hereby certifies that all information contained herein is true, accurate, and complete to the best of my knowledge and belief. The project proponent hereby requests that the certifying authority review and take action on this CWA 401 certification request within the applicable reasonable period of time.

Heidi  
First  Middle  Last  
Alaska DOT&PF  
Company  
P.O. Box 196900  
Mailing Address Street or PO Box  
heidi.zimmer@alaska.gov  
Email  
Digitally signed by Heidi Zimmer  
Date: 2022.02.26 09:32:43 -08'00'  
Signature  
(907) 269-0529  
Phone  
_Zimmer  
Environmental Impact Analyst  
Title  
Anchorage  
City  
AK  
99519  
State  
Zip  

Submit the CWA §401 Certification Request to [DEC-401Cert@alaska.gov](mailto:DEC-401Cert@alaska.gov).

Include in the subject line the following:

"CWA §401 Certification Request - <Insert Federal Agency and permit number or license number> - <insert project title>".

Note: DEC does charge a fee for processing CWA §401 water quality certification, see DEC Permit Fee website [https://dec.alaska.gov/water/wastewater/fees#IP-Fee](https://dec.alaska.gov/water/wastewater/fees#IP-Fee)