PETERSBURG, ALASKA
PSG AIRPORT MITIGATION
FALLS CREEK FISH LADDER REPAIRS

AIP 3-02-0219-1108 & PROJECT No. 68399

VICTINITY MAP

Project As-Built Drawings have been reviewed by the Project Engineer and represent to the best of my knowledge, the project as constructed.

PE: [Name] Date: [Date]

CONTRACTOR: Keystone Assoc. Inc.

Begin: MAY 27, 2009
End: August 13, 2009
Project Engineer: Kreg Nordheim

STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION
& PUBLIC FACILITIES
Southeast Region

Approved: [Signature] 1-19-09
Region: Southeast Region
Construction Project Manager: [Signature] 1-15-09
Certified true & correct as-built of actual field condition.

ALASKA 3-02-0219-1108 ~ 68399 2008 1 11
## ESTIMATE OF QUANTITIES

<table>
<thead>
<tr>
<th>ITEM NUMBER</th>
<th>ITEM DESCRIPTION</th>
<th>PAY UNIT</th>
<th>QUANTITY</th>
<th>QUANTITIES ESTIMATE</th>
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<tbody>
<tr>
<td>202(1)</td>
<td>REMOVAL OF STRUCTURES AND OBSTRUCTIONS</td>
<td>LUMP SUM</td>
<td>ALL RECD</td>
<td>2.0 TONS</td>
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<tr>
<td>203(1)</td>
<td>REMOVAL OF ROCKS/ORGANIC DEBRIS</td>
<td>LUMP SUM</td>
<td>ALL RECD</td>
<td>50 CF DEBRIS</td>
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<td>307(1)</td>
<td>CLASS A CONCRETE</td>
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<td>360 CF CONCRETE</td>
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<td>304(1)</td>
<td>RECONSTRUCT SHARPTAIL SYSTEM</td>
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<td>308(1)</td>
<td>STRUCTURAL ACCESS RACK</td>
<td>LUMP SUM</td>
<td>ALL RECD</td>
<td>200 LB STEEL/ Each</td>
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<td>309(1)</td>
<td>STAIRS DEFINITION RACK</td>
<td>LUMP SUM</td>
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<td>1200 LB STEEL/ Each</td>
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<tr>
<td>680(1)</td>
<td>BARRIERS (CONSTRUCT BY CO)</td>
<td>LUMP SUM</td>
<td>ALL RECD</td>
<td>2400 LB RACK</td>
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<table>
<thead>
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<th>LOCATION</th>
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<tr>
<td>LOWER FISH LADDER</td>
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<tr>
<td>PROPosed ACCESS HATCH LOCATIONS</td>
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<td>UPPER SLICE DATE</td>
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<td>UPPER SLICE DATE AREA</td>
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<tr>
<td>UPPER SLICE DATE</td>
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## 203(13) REMOVAL OF ROCKS / ORGANIC DEBRIS

<table>
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<tr>
<td>FISH LADDER BETWEEN OUTLET TO UPPER SLICE GATE</td>
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<tr>
<td>FISH LADDER BETWEEN OUTLET TO UPPER SLICE GATE</td>
</tr>
<tr>
<td>FISH LADDER BETWEEN OUTLET TO LOWER SLICE GATE</td>
</tr>
<tr>
<td>OUTSIDE OVER-WRAPPING VEGETATION REMOVE TIMBER FACING</td>
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</tbody>
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### LEGEND

**A**

ALPHABETIC Reference for section view

**X**

NUMERIC reference for detail view

**T**

VIEW TITLE

**F**

SHEET WHERE DETAIL VIEW IS LOCATED

**T**

REFERENCE FOR SECTION VIEW

**F**

SHEET WHERE DETAIL VIEW WAS FIRST REFERENCED

---

Project As-Built Drawings have been reviewed by the Project Engineer and represent to the best of my knowledge, the project as constructed.

PE  

Date 12/15/20
GABION WALL PLAN

FACE OF EXISTING CONCRETE WALL
GABION WALL LAYOUT PLAN
EXISTING UPPER FISH LADDER GATE TO BE REPLACED

4" TO 12" STONE AND GRAVEL PER SECTION TEN 2.11

NEW GABION BASKET RACK

MAL SPACING

ASSEMBLED GABION BASKET ISOMETRIC VIEW

CRIMPED METAL (FASTER, PER MANUFACTURER RECOMMENDATION) OR TWISTED WIRE CONNECTOR MATERIAL (SAME AS BASKET MATERIAL) SEE SECTION TO 2.13 FOR FURTHER DISCUSSION

WIRE BASKET MEMBER
WIRE BASKET MEMBER
CONNECTOR DETAIL

GABION WALL SECTION VIEW

FACE OF EXISTING CONCRETE WALL
GABION WALL LAYOUT PLAN
EXISTING STREAM

3/4"X3/4" GABION CELL (TYP.)
REMOVED TO FACILITATE GABION CONSTRUCTION

NOTE:
1. ALL STREAMBED MATERIAL (SAND, GRAVEL, MUD, ANCHOR ORGANIC DEPOSITS) SHALL BE CONSIDERED WASTE MATERIAL AND DISPOSED OF AT AN APPROVED OFFSITE LOCATION.

GABION DETAILS

PROJECT AS-BUILT DRAWINGS HAVE BEEN REVIEWED BY THE PROJECT ENGINEER AND REPRESENT TO THE BEST OF MY KNOWLEDGE, THE PROJECT AS CONSTRUCTED.

PE: M. 12/15/07

D.O.T. SCALE FROM THESE DRAWINGS USE DIMENSIONS

PSG AIRPORT MITIGATION FALLS CREEK FISH LADDER REPAIRS

GABION DETAILS
EROSION AND SEDIMENT CONTROL FEATURES

- Fish ladder flow vector
- Surface flow vector
- Stream flow vector
- Silt fence
- Stream wattle
- Concrete washout

NOTES:
1. Silt fence shall be positioned from entering work areas by use of sandbags.
2. If de-watering pumps are used, de-watering shall be setup and de-watering tank shall be placed in a manner that protects the surrounding area.
3. No in-stream water work, August 1st to May 1st, except that work done outside these time windows is acceptable only if approved by a state or federal agency.
4. Silt fence shall be placed at the waterline of the fish ladder and at a minimum of 10 feet from the nearest structure.

WORK PLAN

WORK AREA 1
UPPER SLUICE GATE

WORK AREA 2
LOWER SLUICE GATE

WORK AREA 3
FISH LADDER OUTFALL

Erosion and Sediment Control Plan

Project As-Built Drawings have been reviewed by the Project Engineer and represent the best of my knowledge, the project as constructed.

PE: M. Miller
Date: 12/12/09

DO NOT SCALE FROM THESE DRAWINGS USE DIMENSIONS