

DAN JOHNSON

DIRECTOR

DEPARTMENT OF TRANSPORTATION AND DEVELOPMENT

DEVELOPMENT SERVICES BUILDING 150 BEAVERCREEK ROAD OREGON CITY, OR 97045

August 15, 2024

BCC Agenda Date/Item: _____

Board of County Commissioners Clackamas County

Approval of an Agreement with the Johnson Creek Watershed Council on the Rugg Road/Badger Creek Culvert and Fish Passage Project. Total agreement value is \$496,312. Funding is through a National Oceanic and Atmospheric Administration grant and County Road Funds. No County General Funds are involved.

Previous Board	08/13/24: Request for consent		
Action/Review			
Performance	The project will build a strong infrastructure		
Clackamas			
Counsel Review	05/08/24: Hong Huynh	Procurement Review	N/A
Contact Person	Devin Patterson	Contact Phone	503-742-4666

EXECUTIVE SUMMARY Department of Transportation and Development (DTD) staff requests Board approval of an Agreement between Clackamas County and the Johnson Creek Watershed Council (JCWC) for the construction of the Badger Creek at Rugg Road Culvert Replacement Project. The existing culverts that carry Badger Creek under Rugg Road in the Boring area are in poor condition, at risk of failure, and act as a partial barrier to passage for aquatic organisms of all species and life stages. DTD and JCWC propose to replace the existing culvert with a single, 10-foot diameter culvert that is 1.5 times the active channel width, resulting in a resilient transportation structure that would meet federal and state fish-passage criteria.

The engineer's estimate for the construction cost is estimated at \$451,193 and the agreement includes a County cash contribution of up to \$129,713. However, if bids exceed this estimate by up to 10 percent, the County cash contribution would extend up to \$174,832. Additionally, the County provided funding for the design and other in-kind services including utility coordination, right-of-way acquisition, and inspection of project construction. The remainder of project construction costs of \$321,480.00 will be funded by JCWC-acquired grant funding.

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RECOMMENDATION: Staff respectfully recommend that the Board of County Commissioners sign the attached agreement with the Johnson Creek Watershed Council for the Rugg Road/Badger Creek Culvert and Fish Passage Project.

Respectfully submitted,

Dan Johnson

Dan Johnson Director of Transportation & Development

AGREEMENT ON RUGG ROAD/BADGER CREEK CULVERT AND FISH PASSAGE PROJECT

THIS AGREEMENT is entered into by and between CLACKAMAS COUNTY, hereinafter referred to as "COUNTY," and JOHNSON CREEK WATERSHED COUNCIL, hereinafter referred to as "JCWC," each herein referred to individually as a "Party" and collectively as the "Parties."

RECITALS

A. Rugg Road, no. 13004, is a COUNTY-maintained urban local road that serves many residents in the area and that crosses Badger Creek over two culverts in Damascus, Oregon;

B. Badger Creek is a cold-water tributary of Johnson Creek and has been found to have native fish, steelhead/rainbow trout, coho salmon, and Pacific lamprey, including in the area over which Rugg Road crosses;

C. In 2019, the COUNTY identified the need to replace the two existing culverts at Badger Creek to ensure continuity of road services, reduce the risk of flooding and washouts during significant rainfall events, and remove any fish barrier that may be caused by the degraded conditions of the culverts;

D. JCWC is a non-profit organization that promotes restoration and stewardship of the Johnson Creek Watershed, including restoring native fish, such as species listed under the federal Endangered Species Act, and in 2022, as part of its Clackamas Partnership Native Fish Population Habitat Resilience project, applied for grant funding available through the Infrastructure Investment and Jobs Act to restore fish passage at the crossing of Badger Creek and Rugg Road;

E. The Parties recognize the mutual benefits of collaborating and contributing to a proposed project that would improve road conditions and fish passage at the crossing of Rugg Road and Badger Creek, by removing the two existing culverts and replacing them with a new single larger culvert while restoring the area with native vegetation at an estimated cost of \$451,193;

F. JCWC wishes to have primary responsibility for delivering the proposed project, including grant administration, procurement, construction, project management and monitoring, while the COUNTY wishes to contribute some funding, design management, and certain in-kind staff services;

G. The Parties desire to define their respective obligations with regards to the proposed project.

TERMS OF AGREEMENT

NOW THEREFORE, it is agreed by the parties as follows:

- 1. **TERM.** This Agreement becomes effective as of the last date of signature by a Party indicated below. Unless terminated earlier pursuant to Section 5 of this Agreement, this Agreement will expire upon the completion and acceptance of any grant-required post-construction monitoring and reporting, or by December 31, 2027, whichever is sooner.
- 2. PROJECT DESCRIPTION. As used in this Agreement, the term "Project" means all work or tasks, including administration, planning, designing, constructing, mitigating, implementing, and monitoring that are essential to removing of the two existing 36-inch in diameter culverts at the crossing of Rugg Road and Badger Creek at mile point 1.38 in Damascus, Oregon, A; to installing a new single 10-foot in diameter culvert in a configuration that enhances fish passage; to restoring the native vegetation of the Project area; to monitoring the Project area following construction; all of which are more fully described in relevant parts in Exhibit A, Exhibit B, and Exhibit C attached hereto.
- 3. JCWC AGREEMENTS AND OBLIGATIONS.
 - 3.1. JCWC agrees to deliver the Project scope of work, as more particularly described in the Section 2, Exhibit A, Exhibit B, and Exhibit C of this Agreement;
 - 3.2. JCWC must contract for the Project scope of work as set out in the Section 2, Exhibit A, Exhibit B, and Exhibit C of this Agreement, except for those tasks described in Section 4.2 of this Agreement. JCWC agrees to manage the Project, and timely administer any associated engineering, design and construction work.
 - 3.3. Subject to the COUNTY'S coverage of Project construction costs as described in Section 4 of this Agreement, JCWC is exclusively responsible for all costs and expenses related to its performance of work and tasks in delivering the Project. JCWC agrees to allow the County the opportunity to approve or deny contract change orders throughout construction of the Project.
 - 3.4. JCWC must comply with the terms and conditions contained in any grant agreement associated with the Project, and be solely responsible for ensuring receipt of all grant funds, from any source whatsoever, that will be associated with the Project.
- 4. THE COUNTY AGREEMENTS AND OBLIGATIONS.
 - 4.1. The COUNTY agrees to scope of work, as more particularly described in the Section 2, Exhibit B, and Exhibit C of this Agreement;

Rugg Road/Badger Creek AGR	Page 2 of 10

- 4.2. At its sole cost, the COUNTY agrees to manage and deliver the following work and tasks associated with the Project:
 - 4.2.1. Coordinate meetings and communications
 - 4.2.2. Conduct preconstruction survey work;
 - 4.2.3. Review and approve plans and specifications;
 - 4.2.4. Acquire right-of-way;
 - 4.2.5. Acquire all required Federal, State and local permits;
 - 4.2.6. Review construction submittals;
 - 4.2.7. Inspect project construction.
 - 4.2.8. Conduct landowner outreach;
 - 4.2.9. Conduct utility coordination
 - 4.2.10. Manage and fund project design
- 4.3. In addition to the in-kind contribution described above in Sections 4 of this Agreement, and provided that the actual cost of the Project is shown not to exceed the estimated Project construction cost of \$451,193, the COUNTY agrees to fund the remainder of the Project construction cost.
 - 4.3.1. If bids for Project work exceed the engineer's estimate of \$451,193, as shown in Exhibit A, by 10%, the COUNTY shall have no obligation to contribute under this Section 4 unless the COUNTY agrees in writing to proceed.
 - 4.3.2. Any requirement of the COUNTY to provide cash contribution to the Project construction costs under this Section 4.3 of the Agreement is contingent on the COUNTY's receipt and review of documentation of costs incurred and expenditures in excess of the grant funding for construction amount of \$321,480, and approval of said documentation.
- 5. Upon substantial completion of the Project, the COUNTY and JCWC will collaborate in working with the primary contractor to address punch list items, and both Parties will be given the opportunity to provide final acceptance of the Project on behalf of their respective agency.
- 6. TERMINATION
 - 6.1. The COUNTY and JCWC, by mutual written agreement, may terminate this Agreement at any time.
 - 6.2. JCWC may terminate this Agreement effective upon delivery of written notice to the COUNTY, or at such later date as may be established by JCWC, if the COUNTY fails to perform any of its obligations under this agreement, or so fails

to pursue its obligations as to endanger performance of this Agreement in accordance with its terms, and after receipt of written notice from JCWC fails to correct such failures within ten (10) days or such longer period as is reasonably necessary to cure such default.

- 6.3. The COUNTY may terminate this Agreement effective upon delivery of written notice to JCWC, or at such later date as may be established by COUNTY, if JCWC fails to perform any of its obligations under this Agreement, or so fails to pursue its obligations as to endanger performance of this Agreement in accordance with its terms, and after receipt of written notice from COUNTY fails to correct such failures within ten (10) days or such longer period as is reasonably necessary to cure such default.
- 6.4. Nothing herein shall prevent the Parties from meeting to mutually discuss the Project or any of the obligations contained in this Agreement. Each Party will use best efforts to coordinate with the other to minimize conflicts.
- 6.5. Any termination of this Agreement will not prejudice any rights or obligations accrued to the Parties prior to termination.

7. INDEMNIFICATION

- 7.1. Subject to the limits of the Oregon Constitution and the Oregon Tort Claims Act or successor statute, the COUNTY agrees to indemnify, save harmless and defend JCWC, its officers, elected officials, agents and employees from and against all costs, losses, damages, claims or actions and all expenses incidental to the investigation and defense thereof (including legal and other professional fees) arising out of or based upon damages or injuries to persons or property caused by the negligent or willful acts of the COUNTY or its officers, elected officials, owners, employees, agents, or its subcontractors or anyone over which the COUNTY has a right to control.
- 7.2. JCWC agrees to indemnify, save harmless and defend the COUNTY, its officers, elected officials, agents and employees from and against all costs, losses, damages, claims or actions and all expenses incidental to the investigation and defense thereof (including legal and other professional fees) arising out of or based upon damages or injuries to persons or property caused by the negligent or willful acts of JCWC or its officers, elected officials, owners, employees, agents, or its subcontractors or anyone over which JCWC has a right to control.

8. GENERAL PROVISIONS

8.1. **Oregon Law and Forum.** This Agreement will be construed according to the laws of the State of Oregon, without giving effect to the conflict of law provisions thereof.

- 8.2. **Applicable Law**. The Parties hereto agree to comply in all ways with applicable local, state and federal ordinances, statutes, laws and regulations.
- 8.3. **Non-Exclusive Rights and Remedies**. Except as otherwise expressly provided herein, the rights and remedies expressly afforded under the provisions of this Agreement is not exclusive, and is in addition to and cumulative with any and all rights and remedies otherwise available at law or in equity. The exercise by either Party of any one or more of such remedies shall not preclude the exercise by it, at the same or different times, of any other remedies for the same default or breach, or for any other default or breach, by the other Party.
- 8.4. Access to Records. The Parties acknowledge and agree that each Party, the federal government, and their duly authorized representatives have access to each Party's books, documents, papers, and records which are directly pertinent to this Agreement for the purpose of making audit, examination, excerpts, and transcripts for a period of three years after final payment. Copies of applicable records shall be made available upon request. The cost of such inspection is be borne by the inspecting Party.
- 8.5. **Debt Limitation.** This Agreement is expressly subject to the debt limitation of Oregon counties set forth in Article XI, Section 10, of the Oregon Constitution, and is contingent upon funds being appropriated therefore. Any provisions herein which would conflict with law are deemed inoperative to that extent.
- 8.6. **Severability.** If any provision of this Agreement is found to be unconstitutional, illegal or unenforceable, this Agreement nevertheless will remain in full force and effect and the offending provision shall be stricken. The Court or other authorized body finding such provision unconstitutional, illegal or unenforceable shall construe this Agreement without such provision to give effect to the maximum extent possible the intentions of the Parties.
- 8.7. Integration, Amendment and Waiver. Except as otherwise set forth herein, this Agreement constitutes the entire agreement between the Parties on the matter of the Project. There are no understandings, agreements, or representations, oral or written, not specified herein regarding this Agreement. No waiver, consent, modification or change of terms of this Agreement shall bind either Party unless in writing and signed by both Parties and all necessary approvals have been obtained. Such waiver, consent, modification or change, if made, shall be effective only in the specific instance and for the specific purpose given. The failure of either Party to enforce any provision of this Agreement shall not constitute a waiver by such Party of that or any other provision.
- 8.8. **Interpretation**. The titles of the sections of this Agreement are inserted for convenience of reference only and are to be disregarded in construing or interpreting any of its provisions.

- 8.9. **Independent Contractor**. Each of the Parties hereto shall be deemed an independent contractor for purposes of this Agreement. No representative, agent, employee or contractor of one Party shall be deemed to be a representative, agent, employee or contractor of the other Party for any purpose, except to the extent specifically provided herein. Nothing herein is intended, nor shall it be construed, to create between the Parties any relationship of principal and agent, partnership, joint venture or any similar relationship, and each Party hereby specifically disclaims any such relationship.
- 8.10. **No Third-Party Beneficiary.** Neither Party intends that this Agreement benefit, or create any right or cause of action in, or on behalf of, any person or entity other than the COUNTY or JCWC.
- 8.11. **No Assignment**. No Party shall have the right to assign its interest in this Agreement (or any portion thereof) without the prior written consent of the other Party, which consent may be withheld for any reason. The benefits conferred by this Agreement, and the obligations assumed hereunder, shall inure to the benefit of and bind the successors of the Parties.
- 8.12. **Counterparts**. This Agreement may be executed in any number of counterparts (electronic, facsimile or otherwise) all of which when taken together shall constitute one agreement binding on all Parties, notwithstanding that all Parties are not signatories to the same counterpart. Each copy of this Agreement so executed shall constitute an original.
- 8.13. **Authority**. Each Party represents that it has the authority to enter into this Agreement on its behalf and the individual signatory for a Party represents that it has been authorized by that Party to execute and deliver this Agreement.
- 8.14. **Necessary Acts.** Each Party shall execute and deliver to the others all such further instruments and documents as may be reasonably necessary to carry out this Agreement.
- 8.15. **Attorney Fees**. The Parties shall bear their own costs and attorney fees in the event an action is brought to enforce, modify or interpret the provisions of this Agreement.

THE PARTIES, by execution of this Agreement, hereby acknowledge that their signing representatives have read this Agreement, understand it, and agree to be bound by its terms and conditions.

JOHNSON CREEK WATERSHED COUNCIL	BOARD OF COMMISSIONERS CLACKAMAS COUNTY	
95b06649-1f83-4120- bigitally signed by 95b06649-1f83-4120- ac95-0d55649054ba Date: 2024.07.17 16:34:01 -07'00'		
Daniel Newberry	Chair	
<u>Executive Director</u> Title	Recording Secretary	
July 17, 2024		
Date	Date	

Exhibit A – Project Plans and Cost Estimate

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BadgerCr_Cost Estimate_90%

ODOT Std	Bid Item	Unit	Unit Price	Quantity	Subtotal
00180	Workplace Harassment Prevention Plan	LS	\$500	1	\$500
00196	Extra Work As Authorized	LS	\$20,000	1	\$20,000
00210	Mobilization	LS	\$45,000	1	\$45,000
00221	Temporary Work Zone Taffic Control, Complete	LS	\$30,000	1	\$30,000
00245	Temporary Water Management Facility at STA 0+95	LS	\$35,000	1	\$35,000
00280	Erosion Control	LS	\$5,000	1	\$5,000
00280	Check Dam, Type 2	LF	\$10	650	\$6,500
00280	Sediment Fence	LF	\$6	1,350	\$8,100
00290	Pollution Control Plan	LS	\$10,000	1	\$10,000
00290	Turbidity Monitoring	LS	\$5,000	1	\$5,000
00305	Construction Survey Work	LS	\$5,000	1	\$5,000
00310	Asphalt Pavement Saw Cut	LF	\$25	43	\$1,075
00310	Removal of Structures and Obstructions	LS	\$10,000	1	\$10,000
00320	Clearing and Grubbing	LS	\$5,000	1	\$5,000
00330	Selected Granual Backfill Material	CY	\$150	20	\$3,000
00350	Subgrade Geotextile	SQYD	\$10	90	\$900
00390	Loose Riprap, Class 100	CUYD	\$150	45	\$6,750
00405	Rock Excavation	CY	\$400	10	\$4,000
00445	120 Inch Corrugated Metal Pipe	LF	\$350	60	\$21,000
00510	Structure Excavation	LS	\$66,100	1	\$66,100
00510	Granular Structure Backfill	LS	\$70,500	1	\$70,500
00620	Cold Plane Pavement Removal, 2 Inch Depth	SY	\$20	85	\$1,700
00640	Aggregate subbase, base, and shoulders	TON	\$125	30	\$3,750
00730	Emulsified Asphalt Tack Coat	TON	\$1,000	0.5	\$500
00744	Level 2, 1/2 Inch ACP Mixture	TON	\$300	28	\$8,400
01030	Native Plant Seeding	AC	\$15,000	0.10	\$1,500
01030	Mulching	AC	\$15,000	0.10	\$1,500
01091	Streambed Enhancement, Specail Provisions	LS	\$10,000	1	\$10,000
01091	Fish Cobble, Special Provisions	TON	\$150	90	\$13,500
01091	Fish Rocks, Type 1, Speciail Provisions	EA	\$400	6	\$2,400
05002	Boulder Ballast	EA	\$500	6	\$3,000
05003	Imported Large Wood Placement, Special Provision	EA	\$4,000	1	\$4,000
05004	Salvaged Large Wood Placement, Special Provision	EA	\$2,000	1	\$2,000

Construction Subtotal \$410,175

10% Contingency	\$41,018
Project Total	\$451,193

Description

Rugg Rd. Dewatering and Diversion (pumps and pipes), fish screens, cofferdams Inlcudes diversion dike at diversion outlet Straw Wattles Silt Fence

removing the 2 existing 42-inch culverts includes removing red cedar tree possibility of needing 1 1/2" - 0" from street and storm drainage note #5

in case 10ft diamter, 12ga, circular, aluminized steel, 75yr service life (600CY + 10%) * \$100/CY (427CY + 10%) * \$150/CY

~1542ft^3 = 90tons of streambed material (165lb/ft^3)



GENERAL NOTES

- ALL WORK AND MATERIALS SHALL CONFORM TO THESE PLANS AND THE APPLICABLE PROVISIONS.
- THE LOCATION OF EXISTING UTILITIES SHOWN ON THE PLANS IS APPROXIMATE AND SHOWN FOR INFORMATION PURPOSES 2. ONLY.
- 3. TOPOGRAPHIC SURVEY BY: CLACKAMAS COUNTY DEPARTMENT OF TRANSPORTATION AND DEVELOPMENT, BRIAN W. PAULL, PLS 89074
- VEGETATION AND TOPSOIL ARE TO BE STRIPPED TO MINERAL EARTH AND APPROVED BY THE PRIMARY INSPECTOR PRIOR TO PLACEMENT OF FILL OR BASE MATERIALS.
- ALL GAS OR DIESEL POWERED PUMPS MUST BE INSIDE OF CONTAINMENT POOLS. 5
- 6. SUBSEQUENT SETTLEMENT OR CRACKING OF FINISHED SUBSEQUENT SETTEMENT OR CRACKING OF HINISHED SURFACE WITHIN THE WARRANTY PERIOD SHALL BE CONSIDERED TO BE A FAILURE OF THE SUBGRADE AND REPAIRED AT NO COST TO THE COUNTY AND IN A MANNER ACCEPTABLE TO THE COUNTY.
- THE CONTRACTOR SHALL CONTROL TRAFFIC THROUGH THE PROJECT SITE IN CONFORMANCE WITH THE LATEST EDITION OF THE MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES, AND OREGON SUPPLEMENTS. THE CONTRACTOR SHALL, AT ALL TIMES, MAINTAIN LOCAL ACCESS FOR EMERGENCY VEHICLES, BUSINESSES, BUSES, AND HOMEOWNERS ALONG THE PROJECT SITE.
- WHEN TRAFFIC DELAYS ARE TO BE EXPECTED, THE CONTRACTOR SHALL NOTIFY THE APPLICABLE AGENCIES, INCLUDING TRIMET, SCHOOL DISTRICT, EMERGENCY SERVICES, AND LOCAL BUSINESSES. 8.
- CONTRACTOR SHALL COORDINATE AND SCHEDULE ALL EARTHWORK, TERMCH BACKFILL AND ROAD CONSTRUCTION COMPACTION TESTS, AND GEOTENICAL REVIEWS WITH THE SOILS TESTING LAB AS REQUIRED FOR ACCEPTANCE OF PROJECT WORK BY CLACKAMAG COUNTY. COUNTY SHALL BE PROVIDED WITH ALL TEST RESULTS. 9.
- CONTRACTOR SHALL CAREFULLY MAINTAIN BENCHMARKS, 10. CUNI NACL ON SHALL CAREFULLY MAIN IAIN BENCHMANKS), PROPERTY CORNERS, MONUMENTS, AND CHEAR REFERENCE POINTS PURSUANT TO ORS 209.140 AND ORS 209.150. IF SUCH POINTS ARE DISTURBED OR DESTROVED BY CONSTRUCTION ACTIVITIES, THE CONTRACTOR SHALL NOTHY THE ENGINEER AND PAY FOR THEIR REPLACEMENT BY EMPLOYING A PROFESSIONAL LAND SURVEYOR TO RESET PROPERTY CORNERS & OTHER SUCH MONUMENTS.
- 11. FINAL CLEANUP PRIOR TO FINAL ACCEPTANCE, THE CONTRACTOR SHALL CLEAN THE WORK SITE AND ADJACENT AREAS OF ANY DEBRIS, DISCARED ACP, CONCRETE OR OTHER ITEMS DEPOSITED BY THE CONTRACTOR'S PERSONNEL DURING THE PERFORMANCE OF THIS CONTRACT.
- 12. THE SPRINGWATER CORRIDOR TRAIL MUST REMAIN OPEN AT
- 13. PRIVATE DRIVEWAYS ARE TO REMAIN OPEN AT ALL TIMES.

GRADING NOTES

- ALL FILLS ON PRIVATE PROPERTY MUST BE PLACED CONSISTENT WITH COUNTY CODE TITLE 9.35, EXCAVATION AND GRADING. STEP REPRARATION, MUST INCLUDE THE REMOVAL OF VEGETATION, NON-COMPLYING FILL, TOPSOLL, OR OTHER UNSUTRABLE MARTERIAL PRIOR TO PLACEMENT OF THE FILL FILL SLOPES SHALL NOT EXCEED A GRADE OF TWO HORIZONTAL TO ONE VERTICAL. 1.
- 2. ALL CUTS ON PRIVATE PROPERTY SHALL BE MADE CONSISTENT

WITH TITLE 9.03, EXCAVATION AND GRADING ORDINANCE. NO CUT SHALL EXCEED A GRADE OF TWO HORIZONTAL TO ONE VERTICAL UNLESS APPROVED BEFOREHAND BY CLACKAMAS COUNTY.

- APPROPRIATE BENCHING OF FILLS IS REQUIRED FOR FILLS OVER FIVE FEET IN HEIGHT ON SLOPES IN EXCESS OF FIVE HORIZONTAL TO ONE VERTICAL BENCHING MUST BE DONE IN ACCORDANCE WITH THE APPROVED PLANS. CLACKAMAS COUNTY SHALL INSPECT BENCHES FRIOR TO FILL PLACEMENT.
- CUT AND FUL SLOPES AND ALL EXPOSED SOUS SHALL BE CUT AND FILL SLOPES AND ALL EXPOSED SOILS SHALL BE PROTECTED FORM DENSION AND BEIN COMPLANCE WITT THE LICAL SUBFACE WATER AUTHORITY RULES, REGULATIONS, AND STAMARDS, SULF CONTRUCTION AND PERMANENT MEASURES DURING CONSTRUCTION AND PERMANENT MEASURES DURING CONSTRUCTION CONSTRUCTION ACTIVITY AND ADDRESS AND AND ADDRESS AND ADDRESS ACTIVITY AND ADDRESS AND ADDRESS AND ADDRESS ACTIVITY AND ADDRESS AND A
- THE CONTRACTOR SHALL NOTIFY THE PRIMARY INSPECTOR, COUNTY INSPECTOR, AND ENGINEER 48 HOURS PRIOR, FOR ALL REQUIRED ENGION CONTROL AND STRUCTURAL FILL INSPECTIONS AT THE FOLLOWING STAGES OF CONSTRUCTION: 5
- THE FOLLOWING STAGES OF CONSTRUCTION: EROSION CONTROL INSPECTION PRIOR TO INITIATING CONSTRUCTON ACTIVITIES; PROOF ROLL ON SUBGRADE AND AT EVERY ONE FOOT OF STRUCTURAL FILL OR 300 CUBIC YARDS AND AT EVERY ONE FOOT OF STRUCTURAL FILL OR 300 CUBIC YARDS AND AT COMPLETION OF STRUCTURAL FILL BEFORE GEOTEXTUE FARBIC AND BASE AGGREGATE FOLCED AND AT COMPLETION OF BASE AGGREGATE COURSE FOLLOWED BY DEMSITY TESTING ON THE FINAL BASE COURSE PRIOR TO PAVING. b.
- d.

STREET & STORM DRAINAGE NOTES

- STREET AND STORM DRAIN IMPROVEMENTS SHALL BE ROADWAY STANDARDS AND THE APPROPRIATE SURFACE WATER DISTRICT. ALL STORM SEWER PIPES SHALL HAVE RUBBER GASKETS, WHICH SHALL PROVIDE A WATER TIGHT CONNECTION
- MATERIAL IN SOFT SPOTS WITHIN THE ROADWAY SHALL BE REMOVED TO THE DEPTH REQUIRED TO PROVIDE A FIRM FOUNDATION AND SHALL BE REPLACED WITH 11/2"-0" CRUSHED ROCK. THE ENTIRE SUBGRADE SHALL BE THOROUGHLY COMPACTED TO 95% AASHTO T-99
- CONTRACTOR SHALL NOTIFY THE PROJECT MANAGER WHEN 3. CONTINUES ON PARLE NOTIFY THE PROJECT MARAGER WHEN SUBGRADE IS COMPLETE AND 24 HOURS PRIOR TO PLACEMENT OF BASE ROCK MATERIAL. CONTRACTOR SHALL ALSO NOTIFY THE ENGINEER 24 HOURS PRIOR TO FINAL PANING FOR AN INSPECTION OF THE WORK. CLACKAMAS COUNTY REQUIRES A PROOF ROLL WITH A FULLY LOADED 10-YARD DUMP TRUCK TO CHECK SUBGRADE COMPACTION PRIOR TO PLACEMENT OF ROCK SUBGRADE COMPACTION FILTON FILTON FOR DECEMENT OF ROCK SUBBASE AND AGAIN AT THE COMPLETION OF THE PLACEMENT OF THE BASE ROCK PRIOR TO PAVING THE FIRST LIFT OF ASPHALTIC CONCRETE.

USACE IN-WATER WORK PERIODS

ALL WORK BELOW ORDINARY HIGH WATER SHALL BE CONDUCTED BETWEEN JULY 15 - SEPTEMBER 30.

CONSTRUCTION ACCESS/TRAFFIC CONTROL

- THE CONTRACTOR SHALL KEEP THE WORK AREAS IN A CLEAN AND NEAT CONDITION FREE OF DEBRIS AND LITTER FOR THE DURATION OF THE PROJECT.
- ALL AFFECTED AREAS INCLUDING ROADS AND ACCESS ROUTES

SHALL BE RESTORED TO ORIGINAL CONDITION OR BETTER.

ALL DISTURBED AREAS OUTSIDE THE LIMITS OF DISTURBANCE SHALL BE RESTORED TO ORIGINAL CONDITION OR BETTER AT NO COST TO THE OWNER.

PUBLIC RIGHTS-OF-WAY SHALL BE KEPT IN A CLEAN AND SERVICEABLE CONDITION AT ALL TIMES. IN THE EVENT MATERIALS ARE INADVERTENTLY DEPOSITED ON ROADWAYS THE MATERIAL SHALL BE PROMPTLY REMOVED. MATERIALS ARE TO BE SWEPT AND REMOVED PRIOR TO ANY STREET FLUSHING.

QUANTITIES

LISTED IN SPECIAL PROVISIONS AND BID SCHEDULE.

ALL EARTHWORK QUANTITIES PROVIDED ARE IN-PLACE QUANTITIES. NO TRUCK MEASURE.

CONSTRUCTION MATERIALS

ANY EXCESS MATERIALS SHALL BE STOCKPILED NEATLY IN AN APPROVED LOCATION OF THE STOCKPILE AND STAGING AREAS. THE MATERIAL SHALL BE REMOVED FROM THE SITE PRIOR TO THE COMPLETION OF WORK.

CONTROL DEWATERING

MEET TURBIDITY STANDARDS REFERENCED IN SPECIAL PROVISIONS

TURBID OR CONTAMINATED DEWATERING WATER FROM CONSTRUCTION EQUIPMENT OPERATION SHALL BE PREVENTED FROM DELIVERING SEDIMENT TO THE STREAM. DISPOSAL OPTIONS FOR DEWATERING DISCHARGE INCLUDE:

SEDIMENT-LADEN WATER MAY BE PUMPED TO AN UPLAND AREA AND ALLOWED TO SHEET FLOW OVER UNDISTURBED GROUND THROUGH EXISTING VEGETATION TO INFILITARIE INTO THE GROUND. USE OF AN APPROPRIATELY SIZED AND MAINTAINED 1.

2. SEDIMENTATION BAG (DIRTBAG) OR OTHER SEDIMENTATION FACILITY WITH OUTFALL TO A DITCH OR SWALE FOR SMALL VOLUMES OF LOCALIZED DEWATERING.

VEHICLE OPERATIONS AND STAGING

BEFORE OPERATIONS BEGIN AND AS OFTEN AS NECESSARY DURING OPERATION, PRESSURE WASH ALL EQUIPMENT THAT WILL BE USED BELOW BANKFULL ELEVATION UNTIL ALL VISIBLE EXTERNAL OIL, GREASE, MUD, AND OTHER VISIBLE CONTAMINANTS ARE REMOVED.

CONTRACTOR SHALL PROVIDE BIODEGRADABLE LUBRICANTS AND FLUIDS USED ON EQUIPMENT OPERATING NEAR THE STREAM CHANNEL AND LIVE WATER.

FISH SALVAGE

FISH SALVAGE TO BE PERFORMED BY XXX. CONTRACTOR TO PROVIDE 14 DAYS WRITTEN NOTICE TO XXX TO PERFORM FISH SALVAGE

ABBRE	VIATIONS
ACP	ASPHALT CONCRETE PAVEMENT
APPROX	APPROXIMATE
BMP	BEST MANAGEMENT PRACTICES
СҮ	CUBIC YARDS
DIA	DIAMETER
DBH	DIAMETER BREAST HEIGHT
EA	EACH
ELEV	ELEVATION
FT	FEET
HORIZ	HORIZONTAL
IN	INCHES
INV	INVERT
LWM	LARGE WOODY MATERIAL
MAX	MAXIMUM
MIN	MINIMUM
OHW	ORDINARY HIGH WATER
STA	STATION
TESC	TEMPORARY EROSION AND SEDIMENT CONTROL
түр	TYPICAL
VERT	VERTICAL
WSE	WATER SURFACE ELEVATION
YR	YEAR























Exhibit B

Clackamas Partnership Native Fish Population Habitat Resilience: Narrative (Update: 03/27/2023)

Project #10: Badger Creek/Rugg Road Fish Passage

Location: Lat 45.4601, Long -122.3882 at the crossing of Badger Creek and Rugg Rd in Boring, OR.

Impact Area: 0.7 stream miles fully opened to fish passage

Project Cost: NOAA request: \$375,818

Project Description: Badger Creek is a cold water tributary of Johnson Creek in Boring, Oregon. Cold water tributaries are significantly important to salmon, especially with climate change impacts continuing to increase. Since 2016, the Council has conducted eDNA testing in Badger Creek at this location and found the presence of steelhead/rainbow trout, coho salmon, and Pacific lamprey. The two culverts crossing Rugg Rd are a partial fish passage barrier and are in very poor condition. Resolving this fish passage barrier will fully open 0.7 stream miles up to another culvert that Johnson Creek Watershed Council is resolving by fall of 2022, which will open an additional 0.7 miles of stream. In addition to fish passage concerns, Rugg Rd is an arterial road to many residents in this area and these culverts are so degraded they are at risk of failing. If this road was to collapse due to culvert failure, access would be limited to many residential homes. We would like to replace these degraded culverts with a large culvert to fully open salmonid spawning habitat and avoid an access-limiting road failure to many residents.

Timeline and Key Milestones: This project is currently in the conceptual design stage. The following milestones will include:

- 30% designs completed by Jan 2023
- Permit-ready designs completed by Apr, 2024
- Permits obtained by Oct 2024
- Final designs completed by Jan 2025
- Construction during the in-water-work-window of July 15 August 31, 2025
- Invasive plant treatments and native plantings will occur the fall and spring after construction. Additional treatments and plantings will occur in the spring prior to construction as needed.

Exhibit C

Clackamas Partnership Native Fish Population Habitat Resilience: Budget Narrative (Update: July 7, 2023)

#10 Badger Creek / Rugg Road Fish Passage (Johnson Creek Watershed Council project)

There is only one contract for this project: the construction contract. This will include mobilization, excavation of culvert removal, new larger culvert, environmental controls, stream isolation, revegetation. \$321,480. This project will be implemented in 2025, so this entire amount will be incurred between 6/1/25 and 5/31/26.

	Grant Year 1	Grant Year 2	Grant Year 3
Engineering			
Construction			\$321,480

Total contracts for project #10: \$321,480