



"STEWARDSHIP IN FORESTRY"

Oregon Department of Forestry

Written Plan Form for

INSTALLING STREAM

CROSSING STRUCTURES

A written plan specifically describes how a forest operation will be conducted to meet the minimum standards for resource protection prescribed by the forest practice rules. Include complete, detailed information about the operation to be conducted.

Please submit the completed Written Plan for Installing Stream Crossing Structures as part of a Notification of Operations/Application for Permits to Use Fire or Operate Power Driven Machinery on the Oregon Department of Forestry (ODF) E-Notification website at <https://ferns.odf.oregon.gov/e-notification> or to the stewardship forester at the ODF office in your area. A list of these offices are on the last page of this publication.

Landowner Name: _____

Landowner Address: _____

Landowner Telephone Number(s): _____

Operator Name: _____

Operator Address: _____

Operator Telephone Number(s): _____

Written Plan Submitted By (write in address and telephone numbers if different than above): _____

Notification Number: _____

Unit Name and/or Number: _____

Legal Description of Operation Location: _____

DESCRIPTION OF THE PROTECTED RESOURCE:

STREAM NAME: _____

STREAM SIZE: _____ **STREAM CLASS:** _____
(S,M, or L) (F, SSBT, D, or N)

WIDTH OF RIPARIAN MANAGEMENT AREA (RMA): _____ feet **AVERAGE SLOPE WITHIN RMA:** _____ %

AVERAGE STREAM GRADIENT (measureout 200' above and 200' below crossing, beyond the crossing influence): _____ %

AVERAGE WIDTH OF STREAM (average of measurements taken above and below crossing location): _____ feet

WIDTH OF STREAM AT CROSSING LOCATION: _____ feet

DEPTH OF BEDROCK AT CROSSING LOCATION: _____ feet

STREAMBED MATERIAL: _____ **Bedrock** _____ **Coarse gravel (0.6" - 2.5")**
(estimate %) _____ **Boulders (10" - 13")** _____ **Fine gravel (0.1" - 0.6")**
_____ **Large cobble (6" - 10")** _____ **Sand (less than 0.1")**
_____ **Small cobble (2.5" - 6")** _____ **Fines (not visible as particles)**

SIZE OF WATERSHED ABOVE THE STREAM CROSSING: _____ acres

HOW MANY CUBIC FEET PER SECOND (CFS) OF WATER IS EXPECTED TO FLOW THROUGH STREAM CROSSING IN A 50 YEAR FLOW EVENT? _____ CFS

IS THE STREAM CHANNEL IN THE PROCESS OF LOWERING/DOWN-CUTTING BELOW THE CROSSING LOCATION? Yes No

DESCRIBE VEGETATION WITHIN THE RMA:

TYPE OF STREAM CROSSING:

VEGETATION RETENTION PRESCRIPTION TO BE USED: _____
(Permanent or Temporary)

STREAM CROSSING STRUCTURE WILL BE DESIGNED TO PASS A 50-YEAR FLOW EVENT? Yes No

STREAM CROSSING STRUCTURE DESIGNED TO PROVIDE FOR FISH PASSAGE? Yes No

WILL CROSSING BE INSTALLED DURING THE PREFERRED IN-WATER WORK PERIOD? Yes No

(You will need to check timing for each stream but typically between July 1 - September 30)

INSTALLATION DATE: _____ **REMOVAL DATE** (if crossing is temporary): _____

TYPE OF STREAM CROSSING STRUCTURE TO BE INSTALLED:

CULVERT

CULVERT DESIGN STRATEGY TO BE USED: _____

TYPE OF CULVERT: _____

CULVERT MADE OF: _____

INSIDE OF CULVERT: _____

ENDS OF CULVERT: _____

CULVERT SIZE: _____

CULVERT LENGTH: _____

CULVERT GRADIENT AFTER INSTALLATION: _____

INLET END SUNKEN: Yes No

OUTLET END SUNKEN: Yes No

METHOD USED TO EMBED: _____

INLET END RIP-RAPPED: Yes No

OUTLET END RIP-RAPPED: Yes No

WILL BACKWATERING STRUCTURES BE INSTALLED? Yes No

WHAT WILL BE THE FILL DEPTH AFTER THE INSTALLATION IS COMPLETE? _____ feet

WILL CROSS DRAINAGE CULVERTS OR WATER BARS BE INSTALLED IN THE ROAD ABOVE THE STREAM CROSSING? Yes No

BRIDGE

TYPE OF BRIDGE: _____

BRIDGE TO BE PLACED ON: _____

LOW WATER FORD

WILL FORD BE CONSTRUCTED PERPENDICULAR TO THE STREAM? Yes No

LENGTH THE APPROACHES WILL BE ROCKED ON EACH SIDE OF THE FORD? _____ feet

WILL THE STREAM CHANNEL NEED TO BE ROCKED? Yes No

WHAT SIZE AND TYPE OF ROCK WILL BE USED? _____

NUMBER OF LOADS PER DAY TO BE TAKEN ACROSS THE FORD DURING USE? _____ loads

DESCRIBE ALL ACTIVITIES TO OCCUR WITHIN THE RMA, THE INSTALLATION PROCESS, HOW MEASUREMENTS WILL BE TAKEN TO PROPERLY SET NEW CULVERT, REMOVAL OF EXHISTING CROSSING IF NECESSARY, TREE FELLING, ROAD CONSTRUCTION, AND ALL THE PROTECTION MEASURES TAKEN, ETC.:

(Be sure to address construction techniques, erosion control, and any machine activity to occur in or through the stream)

WHERE TO CALL FOR ASSISTANCE

If you should have questions regarding the preparation of a written plan, please contact one of the Department of Forestry offices listed below. Local forest practices foresters are available to assist you in understanding the requirements of the Oregon Forest Practices Act.

NORTHWEST OREGON AREA

Astoria District
Route 1, Box 950
Astoria, OR 97103
541-325-5451

Cascade District - Molalla Unit
14995 S. Hwy 211
Molalla, OR 97038
503-829-2216

Cascade District – Sweet Home Unit
4690 Highway 20
Sweet Home, OR 97386
541-367-6108

Columbia Unit
405 E Street
Columbia City, OR 97018
503-397-2636

Philomath
24533 Alsea Highway
Philomath, OR 97370
541-929-3266

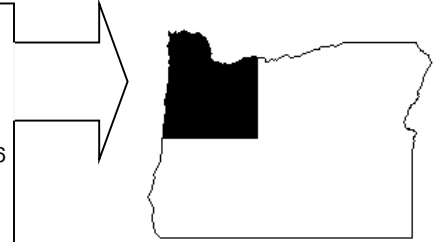
Tillamook District
4907 E 3rd Street
Tillamook, OR 97141
503-842-2545

Dallas Unit
825 Oak Villa Road
Dallas, OR 97338
503-623-8146

Cascade District - Santiam Unit
22965 North Fork Road SE
Lyons, OR 97358
503-859-2151

Toledo Unit
763 NW Forestry Road
Toledo, OR 97391
541-336-2273

Forest Grove
801 Gales Creek Road
Forest Grove, OR 97116
503-357-2191



SOUTHERN OREGON AREA

Central Point
5286 Table Rock Road
Central Point, OR
97502
541-664-3328

Brookings
415 Redwood St.
Brookings, OR 97415
541-469-5040

Veneta
PO Box 157
Veneta, OR 97487
541-935-2283

Coos Bay
63612 5th Road
Coos Bay, OR 97420
541-267-4136

Grants Pass Unit
5375 Monument Drive
Grants Pass, OR 97526
541-474-3152

Florence Unit
PO Box 461
Florence, OR 97439
541-997-8713

Springfield
3150 Main Street
Springfield, OR 97478
(541) 726-3588

Roseburg
1758 Ne Airport Road
Roseburg, OR 97470
541-672-6507



EASTERN OREGON AREA

John Day Unit
PO Box 546
John Day, OR 97845
541-575-1139

Pendleton Unit
1055 Airport Road
Pendleton, OR 97801
541-276-3491

Klamath-Lake District
3200 Delap Road
Klamath Falls, OR 97601
541-883-5681

Prineville
3501 E 3rd Street
Prineville, OR 97754
541-447-5658

LaGrande
611 20th Street
La Grande, OR 97850
541-963-3168

The Dalles Unit
3701 West 13th Street
The Dalles, OR 97058
541-296-4626

Lakeview Unit
2290 North 4th Street
Lakeview, OR 97630
541-947-3311

Wallowa Unit
Route 1 Box 80
Wallowa, OR 97885
541-886-2881



OREGON DEPARTMENT OF FORESTRY
PRIVATE AND COMMUNITY
FORESTS PROGRAM
2600 STATE STREET
SALEM, OR 97310
503-945-7470

