

SPECIFIED ROADS TOTAL RECONSTRUCTION COST

Girl Thin Timber Sale
Sweet Home Ranger District
Willamette National Forest
Linn County

Timber Sale Reconstruction Costs		
DESCRIPTION	NFSR #	ESTIMATED COST
Reconstruction	2024	\$59,971.66
Reconstruction	2024210	\$1,555.29
Reconstruction	2024145	\$1,020.81
Reconstruction	2024250	\$5,305.47
	SUB-TOTAL	\$67,853.23
C5.213# Reconstruction Engineering Deposits	All	\$12,390.00
	TOTAL	\$80,243.23

X Paul Bennett

Zone Engineer's Approval

Girl Thin Timber Sale

SCHEDULE OF ITEMS					
ROAD NUMBER			2024		
SEGMENT					
CONSTRUCTION					
RECONSTRUCTION					
PROJECT LENGTH (MILES)			5.06		
ITEM NO.	DESCRIPTION	PAY UNIT	QTY	UNIT COST	TOTAL
15101	Mobilization	Lump Sum	All	\$5,602.56	\$5,602.56
15757	Erosion control and pollution prevention	Each	7	\$147.01	\$1,029.07
20105	Clearing and grubbing, disposal of tops and limbs l, logs i, stumps f (1)	Lump Sum	All	\$1,853.30	\$1,853.30
20358A	Removal of corrugated metal pipe, disposal method A	Each	26	\$110.63	\$2,876.38
20358B	Removal of corrugated metal pipe by cutting, disposal method A	Each	2	\$48.51	\$97.02
20419A	Drainage excavation, type culvert outlet ditch	Foot	25	\$3.13	\$78.25
20419B	Drainage excavation, type leadout ditch	Foot	45	\$2.74	\$123.30
25101	Placed riprap, class 4	Cubic Yard*	33	\$31.21	\$1,029.93
30304	Road reconditioning, ditch	Mile	0.08	\$3,168.00	\$253.44
32203	Aggregate base, grading C, compaction method B	Cubic Yard*	240	\$37.57	\$9,016.80
60256	18-inch corrugated steel pipe, 0.064-inch thickness, method B	Foot	53	\$29.71	\$1,574.63
60278A	18-inch corrugated polyethylene pipe, type S, method B	Foot	280	\$22.27	\$6,235.60
60278B	24-inch corrugated polyethylene pipe, type S, method B	Foot	692	\$33.88	\$23,444.96
60278C	36-inch corrugated polyethylene pipe, type S, method B	Foot	66	\$50.68	\$3,344.88
62509	Mulching, dry method	Lump Sum	All	\$1,911.54	\$1,911.54
63501	Temporary traffic control	Lump Sum	All	\$1,500.00	\$1,500.00
	* Designated Contract Quantities			Total	\$59,971.66

Girl Thin Timber Sale

SCHEDULE OF ITEMS					
ROAD NUMBER			2024-210		
SEGMENT					
CONSTRUCTION					
RECONSTRUCTION			X		
PROJECT LENGTH (MILES)			0.18		
ITEM NO.	DESCRIPTION	PAY UNIT	QTY	UNIT COST	TOTAL
20358A	Removal of corrugated metal pipe, disposal method A	Each	1	\$110.63	\$110.63
32203	Aggregate base, grading C, compaction method B	Cubic Yard*	10	\$37.57	\$375.70
60278A	18-inch corrugated polyethylene pipe, type S, method B	Foot	48	\$22.27	\$1,068.96
	* Designated Contract Quantities			Total	\$1,555.29

Girl Thin Timber Sale

SCHEDULE OF ITEMS					
ROAD NUMBER			2024-145		
SEGMENT					
CONSTRUCTION					
RECONSTRUCTION			X		
PROJECT LENGTH (MILES)			0.53		
ITEM NO.	DESCRIPTION	PAY UNIT	QTY	UNIT COST	TOTAL
20358A	Removal of corrugated metal pipe, disposal method A	Each	1	\$110.63	\$110.63
32203	Aggregate base, grading C, compaction method B	Cubic Yard*	10	\$37.57	\$375.70
60278A	18-inch corrugated polyethylene pipe, type S, method B	Foot	24	\$22.27	\$534.48
	* Designated Contract Quantities			Total	\$1,020.81

Girl Thin Timber Sale

SCHEDULE OF ITEMS					
ROAD NUMBER			2024-250		
SEGMENT					
CONSTRUCTION					
RECONSTRUCTION			X		
PROJECT LENGTH (MILES)			1.03		
ITEM NO.	DESCRIPTION	PAY UNIT	QTY	UNIT COST	TOTAL
15757	Erosion control and pollution prevention	Each	1	\$147.01	\$147.01
20103	Clearing and grubbing, disposal of tops and limbs f, logs f, stumps f	Mile	1.03	\$875.32	\$901.58
20253	Removal of individual trees, miscellaneous: disposal of tops & limbs f, & logs f	Each	2	\$54.99	\$109.98
20358A	Removal of corrugated metal pipe, disposal method a	Each	3	\$110.63	\$331.89
20419A	Drainage excavation, type culvert outlet ditch	Foot	20	\$3.13	\$62.60
20462	Unclassified borrow, compaction method F	Cubic Yard*	1	\$49.51	\$49.51
25101	Placed riprap, class 4	Cubic Yard*	3	\$31.21	\$93.63
30318	Road reconditioning, roadbed, compaction method B	Mile	0.39	\$2,323.41	\$906.13
32203	Aggregate base, grading C, compaction method B	Cubic Yard*	20	\$37.57	\$751.40
60278A	18-inch corrugated polyethylene pipe, type S, method B	Foot	42	\$22.27	\$935.34
60278B	24-inch corrugated polyethylene pipe, type S, method B	Foot	30	\$33.88	\$1,016.40
	* Designated Contract Quantities			Total	\$5,305.47

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Public Works Estimated Reconstruction Costs		
DESCRIPTION	NFSR #	ESTIMATED COST
Reconstruction	2024	\$70,804.44
Reconstruction	2024210	\$1,802.17
Reconstruction	2024145	\$1,167.68
Reconstruction	2024250	\$6,392.72
	SUB-TOTAL	\$80,167.01
C5.213# Reconstruction Engineering Deposits	All	\$12,390.00
	TOTAL	\$92,557.01

X Paul Bennett
Zone Engineer's Approval

Girl Thin Timber Sale

ENGINEER'S ESTIMATE					
ROAD NUMBER			2024		
SEGMENT					
CONSTRUCTION					
RECONSTRUCTION			X		
PROJECT LENGTH (MILES)			5.06		
ITEM NO.	DESCRIPTION	PAY UNIT	QTY	UNIT COST	TOTAL
15101	Mobilization	Lump Sum	All	\$7,944.48	\$7,944.48
15757	Erosion control and pollution prevention	Each	7	\$200.29	\$1,402.03
20105	Clearing and grubbing, disposal of tops and limbs l, logs i, stumps f (1)	Lump Sum	All	\$2,552.77	\$2,552.77
20358A	Removal of corrugated metal pipe, disposal method A	Each	26	\$139.33	\$3,622.58
20358B	Removal of corrugated metal pipe by cutting, disposal method A	Each	2	\$65.37	\$130.74
20419A	Drainage excavation, type culvert outlet ditch	Foot	25	\$4.05	\$101.25
20419B	Drainage excavation, type leadout ditch	Foot	45	\$3.49	\$157.05
25101	Placed riprap, class 4	Cubic Yard*	33	\$39.01	\$1,287.33
30304	Road reconditioning, ditch	Mile	0.08	\$4,045.88	\$323.67
32203	Aggregate base, grading C, compaction method B	Cubic Yard*	240	\$44.94	\$10,785.60
60256	18-inch corrugated steel pipe, 0.064-inch thickness, method B	Foot	53	\$32.54	\$1,724.62
60278A	18-inch corrugated polyethylene pipe, type S, method B	Foot	280	\$25.28	\$7,078.40
60278B	24-inch corrugated polyethylene pipe, type S, method B	Foot	692	\$37.94	\$26,254.48
60278C	36-inch corrugated polyethylene pipe, type S, method B	Foot	66	\$54.97	\$3,628.02
62509	Mulching, dry method	Lump Sum	All	\$2,311.42	\$2,311.42
63501	Temporary traffic control	Lump Sum	All	\$1,500.00	\$1,500.00
	* Designated Contract Quantities			Total	\$70,804.44

Girl Thin Timber Sale

ENGINEER'S ESTIMATE					
ROAD NUMBER			2024-210		
SEGMENT					
CONSTRUCTION					
RECONSTRUCTION			X		
PROJECT LENGTH (MILES)			0.18		
ITEM NO.	DESCRIPTION	PAY UNIT	QTY	UNIT COST	TOTAL
20358A	Removal of corrugated metal pipe, disposal method A	Each	1	\$139.33	\$139.33
32203	Aggregate base, grading C, compaction method B	Cubic Yard*	10	\$44.94	\$449.40
60278A	18-inch corrugated polyethylene pipe, type S, method B	Foot	48	\$25.28	\$1,213.44
	* Designated Contract Quantities			Total	\$1,802.17

Girl Thin Timber Sale

ENGINEER'S ESTIMATE					
ROAD NUMBER			2024-145		
SEGMENT					
CONSTRUCTION					
RECONSTRUCTION			X		
PROJECT LENGTH (MILES)			0.53		
ITEM NO.	DESCRIPTION	PAY UNIT	QTY	UNIT COST	TOTAL
20358A	Removal of corrugated metal pipe, disposal method A	Each	1	\$139.33	\$111.56
32203	Aggregate base, grading C, compaction method B	Cubic Yard*	10	\$44.94	\$449.40
60278A	18-inch corrugated polyethylene pipe, type S, method B	Foot	24	\$25.28	\$606.72
	* Designated Contract Quantities			Total	\$1,167.68

Girl Thin Timber Sale

ENGINEER'S ESTIMATE					
ROAD NUMBER			2024-250		
SEGMENT					
CONSTRUCTION					
RECONSTRUCTION			X		
PROJECT LENGTH (MILES)			1.03		
ITEM NO.	DESCRIPTION	PAY UNIT	QTY	UNIT COST	TOTAL
15757	Erosion control and pollution prevention	Each	1	\$200.29	\$200.29
20103	Clearing and grubbing, disposal of tops and limbs f, logs f, stumps f	Mile	1.03	\$1,088.71	\$1,121.37
20253	Removal of individual trees, miscellaneous: disposal of tops & limbs f, & logs f	Each	2	\$76.59	\$153.18
20358A	Removal of corrugated metal pipe, disposal method a	Each	3	\$139.33	\$417.99
20419A	Drainage excavation, type culvert outlet ditch	Foot	20	\$4.05	\$81.00
20462	Unclassified borrow, compaction method F	Cubic Yard*	1	\$61.88	\$61.88
25101	Placed riprap, class 4	Cubic Yard*	3	\$39.01	\$117.03
30318	Road reconditioning, roadbed, compaction method B	Mile	0.39	\$2,926.21	\$1,141.22
32203	Aggregate base, grading C, compaction method B	Cubic Yard*	20	\$44.94	\$898.80
60278A	18-inch corrugated polyethylene pipe, type S, method B	Foot	42	\$25.28	\$1,061.76
60278B	24-inch corrugated polyethylene pipe, type S, method B	Foot	30	\$37.94	\$1,138.20
	* Designated Contract Quantities			Total	\$6,392.72

**Standard specification and supplemental list for
Girl Thin**

All specifications that are not included in the specification listing, but included by reference, are applicable "X" denotes applicable standard and/or supplemental specification. The supplementals shown on the specification list are physically attached.

Standard Specifications						
Standard Specifications	Date	Title	Road 2024	Road 2024-210	Road 2024-145	Road 2024-250
101-109	2003		X	X	X	X
151	2003	Mobilization	X			X
157	2003	Soil Erosion Control	X			X
201	2003	Clearing and Grubbing	X	X	X	X
202	2003	Additional Clearing and Grubbing	X	X	X	X
203	2003	Removal of Structures and Obstructions	X	X	X	X
204	2003	Excavation and Embankment	X	X	X	X
251	2003	Riprap	X			X
303	2003	Road Reconditioning	X			
602	2003	Culverts and Drains	X	X	X	X
625	2003	Turf Establishment	X	X	X	X
635	2003	Temporary Traffic Control	X	X	X	X
Supplemental Specifications						
Supplemental Specifications	Date	Title				
Preface	03/15/04	Preface	X	X	X	X
101.01	01/22/09	Meaning of Terms	X	X	X	X
101.03	06/16/06	Abbreviations	X	X	X	X
101.04	03/29/07	Definitions	X	X	X	X
101.04	11/06/07	Definitions	X	X	X	X
102.00	02/16/05	Bid, Award, and Execution of Contract	X	X	X	X
103.00	02/16/05	Deletions	X	X	X	X
104.00	06/16/06	Deletions	X	X	X	X
104.03	01/22/09	Specifications and Drawings	X	X	X	X
104.06	02/17/05	Use of Roads by Contractor	X	X	X	X
105.02	03/08/07	Material Sources	X	X	X	X
105.05	05/12/04	Use of Material Found in the Work	X	X	X	X
106.01	07/31/07	Conformity with Contract Requirements	X	X	X	X
106.07	05/11/04	Delete	X	X	X	X
107.05	05/11/04	Responsibility for Damage Claims	X	X	X	X
107.06	06/16/06	Contractor's Responsibility for Work.	X	X	X	X
107.08	03/29/05	Sanitation, Health, and Safety	X	X	X	X
107.09	06/16/06	Legal Relationship of the Parties	X	X	X	X
108.00	02/16/05	Delete	X	X	X	X
109.00	02/17/05	Deletions	X	X	X	X
109.02	06/16/06	Measurement Terms and Definitions	X	X	X	X

Cost Estimate Worksheet for Reconstruction Engineering Services C(T)5.213#
 Sale Name Girl Thin Timber Sale

PRECONSTRUCTION ENGINEERING: All engineering work and expense of preparing for reconstruction engineering services, including the following:

	Cost (\$)
1. Transportation Planning. (All work necessary to complete the NEPA document and decision.)	<u>XXXXXXXX</u>
2. Engineering investigations, studies and reports, and reconnaissance, location, etc.	<u>\$ 900.00</u>
3. Preliminary location surveys.	<u>\$ 600.00</u>
** 4. Soils, foundations, and materials investigations, surveys, tests, structural design and review.	<u>\$ 100.00</u>
5. Preliminary and final designs.	<u>\$ 1,500.00</u>
6. Preliminary and final plans, drawings, spec's, and estimates of quantities.	<u>\$ 3,000.00</u>
7. Preparation of Government cost estimate.	<u>XXXXXXXX</u>
8. Final location surveys staked on the ground.	<u>\$ 300.00</u>
9. Rights-of-way surveys, plans, and descriptions.	<u>\$ -</u>
** 10. FE review and approval.	<u>\$ 500.00</u>
11. Other (describe) _____	<u>\$ -</u>

CONSTRUCTION ENGINEERING: All work and expense of setting out, controlling, inspecting and measuring the reconstruction of a forest development transportation facility including:

1. Construction surveys to establish line and grade for the work, to control the work, and to measure quantities.	<u>\$ 300.00</u>
2. Redesigning, adjusting, and changing the plans, specifications, etc., to meet encountered conditions.	<u>\$ 600.00</u>
3. Inspecting and controlling operations for compliance with plans and specifications.	<u>XXXXXXXX</u>
4. Inspecting and testing materials to be installed.	<u>XXXXXXXX</u>
5. Inspecting and measuring completed work.	<u>XXXXXXXX</u>
6. Processing payments and accepting materials and work.	<u>XXXXXXXX</u>
** 7. FE inspection and construction mgt. (include structures).	<u>\$ 2,500.00</u>
I. Project Subtotal (Total of 1-10 and 1-7 above)	<u>\$ 10,500</u>
II. S.O. Overhead Account (VI+IV)*.18	<u>\$ 1,890</u>
III. Project Total = (I + II)	<u>\$ 12,390</u>
IV. ** FE Account (4+10+7)	<u>\$ 3,300</u>
V. District Account = (I - IV)	<u>\$ 7,200</u>
VII. Total (I + II)	<u>\$ 12,390</u>

**Standard specification and supplemental list for
Girl Thin**

All specifications that are not included in the specification listing, but included by reference, are applicable "X" denotes applicable standard and/or supplemental specification. The supplementals shown on the specification list are physically attached.

Supplemental Specifications (continued)

Supplemental Specifications	Date	Title	Road 2024	Road 2024-210	Road 2024-145	Road 2024-250
155 00	05/11/04	Delete	X	X	X	X
156.00	04/28/08	Complete Specification	X	X	X	X
157 02	08/23/04	Materials	X	X	X	X
157 03	02/24/05	General	X	X	X	X
170 00	03/26/07	Develop Water Supply and Watering	X			X
201 04	02/22/05	Clearing	X	X	X	X
201 04	02/18/05	Clearing	X	X	X	X
201 06	11/09/05	Disposal	X	X	X	X
203 01	02/25/05	Description	X	X	X	X
203 05	02/18/05	Disposing of Material	X	X	X	X
203 05	03/26/07	Disposing of Material	X	X	X	X
203 05	03/26/07	Disposing of Material	X	X	X	X
204 00	02/11/08	Complete Specification	X	X	X	X
209 07	07/12/07	Dewatering	X			X
209 10	05/01/07	Backfill	X	X	X	X
251 03	08/05/09	Construction Requirements	X			X
303 10	03/29/05	Measurement	X	X	X	X
322 00	10/24/07	Minor Aggregate Courses	X	X	X	X
602 03	09/06/05	General	X	X	X	X
602 03	03/26/07	General	X	X	X	X
602.06	08/05/09	Laying Plastic Pipe	X	X	X	X
635 03	05/13/04	General	X	X	X	X
703 05	08/14/09	Subbase, Base, Surface Course, and Screened Aggregate	X	X	X	X
704 02	03/02/05	Bedding Material	X	X	X	X

Willamette National Forest
Sweet Home Ranger District
Linn County

FP-03 - SUPPLEMENTAL SPECIFICATIONS

for

GIRL THIN TIMBER SALE