

Willamette National Forest
 Timber Sale: **Horse Timber Sale**

Prepared By: kgabriel
 Date: **7/22/2014**
 Edited by:

Road No.	Road Name	LEVEL OF SERVICE	MAINT. LEVEL	Design Class	Approx. Mi./km	C/R *	Specified Road Cost	Required Completion Date
2638	Horse Creek Rd.	D	2	SL-14-20	5.48 /8.82	R	\$63,635.14	10/31/2015
2638356	Hidden Valley	D	2	SL-12-20	1.41 /2.27	R	\$27,792.87	10/31/2015

* C=Construction
 R=Reconstruction

Summary of Road Construction/Reconstruction Costs

Specified Roads	\$91,428.01
Share Cost Roads	\$0.00
Road Engineering Reconst. Deposit Cost	\$12,593.00
Total Road Costs	<u>\$104,021.01</u>
Contributed Funds	\$0.00
Total Timber Sale Road Costs	<u>\$104,021.01</u>

Total Estimated Road Construction Cost

Public Works Cost (opted sales) \$105,546.76

Attachments

Schedule of Items	2 pages
Plans	22 sheets
Specification Lists	2 pages for Specified Roads, 1 page for TS haul route maintenance
FS Supplemental Specs	53 pages
Road Maintenance T-Specs	25 pages

* Applicable to Specified Roads only.

SCHEDULE OF ITEMS					
		ROAD NUMBER	2638		
		SEGMENT	4.26-9.74		
		CONSTRUCTION			
		RECONSTRUCTION	X		
		PROJECT LENGTH (Miles)	5.48		
ITEM NO.	DESCRIPTION	Pay Unit	QTY	UNIT COST	SPECIFIED ROADS TOTAL
15101	Mobilization	Lump Sum	All	\$6,552.86	\$6,552.86
15755	Erosion control & pollution prevention	Each	6	406.24	\$2,437.44
20103	Clearing and grubbing, disposal of tops and limbs (f), logs (f), stumps (f)	Mile	5.48	\$1,036.25	\$5,678.65
20207	Removal of individual trees, disposal of tops and limbs (f), logs (f), stumps (f)	Each	17	\$37.13	\$631.21
20253	Removal of individual trees, miscellaneous: disposal of tops & limbs (f) & logs (f)	Each	19	\$54.31	\$1,031.89
20302	Removal of culvert inlet/outlet	Foot	50	\$9.69	\$484.50
20358	Removal of corrugated metal pipe, disposal method (a)	Each	7	\$353.33	\$2,473.31
20419	Drainage excavation, type culvert outlet ditch	Foot*	125	\$3.67	\$458.75
20420	Drainage excavation, type culvert catchbasin	Each	3	\$70.99	\$212.97
20479	Drainage excavation, type roadway ditch	Mile	0.69	\$1,604.26	\$1,106.94
25101	Placed riprap, class 3	Cubic Yard*	1	\$122.15	\$122.15
30359	Roadway reconditioning, compaction method E	Mile	5.48	\$1,350.19	\$7,399.04
32450	Crushed aggregate surfacing, compaction method B	Cubic Yard*	450	\$41.74	\$18,783.00
60256A	18-inch corrugated steel pipe, 0.064-inch thickness, method B	Foot	30	\$32.05	\$961.50
60256B	24-inch corrugated steel pipe, 0.064-inch thickness, method B	Foot	20	\$38.53	\$770.60
60276A	18-inch corrugated aluminized steel pipe, 0.064-inch thickness, method B	Foot	202	\$32.05	\$6,474.10
60276B	24-inch corrugated aluminized steel pipe, 0.064-inch thickness, method B	Foot	118	\$38.53	\$4,546.54
60276C	30-inch corrugated aluminized steel pipe, 0.064-inch thickness, method B	Foot	46	\$47.07	\$2,165.22
60710	Reconditioning drainage structures, culvert inlet or outlet	Each	3	\$73.67	\$221.01
62509	Mulching, dry method	Lump Sum	All	\$1,123.46	\$1,123.46
	* Designates Contract Quantities			Total	\$63,635.14

SCHEDULE OF ITEMS					
		ROAD NUMBER	2638356		
		SEGMENT	0.00 - 1.41		
		CONSTRUCTION			
		RECONSTRUCTION	X		SPECIFIED
		PROJECT LENGTH (Miles)	1.41		ROADS
ITEM NO.	DESCRIPTION	Pay Unit	QTY	UNIT COST	TOTAL
15755	Erosion control & pollution prevention	Each	1	406.24	\$406.24
20103	Clearing and grubbing, disposal of tops and limbs (f), logs (f), stumps (f)	Mile	1.41	\$1,036.25	\$1,461.11
20207	Removal of individual trees, disposal of tops and limbs (f), logs (f), stumps (f)	Each	5	\$37.13	\$185.65
20253	Removal of individual trees, miscellaneous: disposal of tops & limbs (f) & logs (f)	Each	2	\$54.31	\$108.62
20302	Removal of culvert inlet/outlet	Foot	16	\$9.69	\$155.04
20358	Removal of corrugated metal pipe, disposal method (a)	Each	2	\$353.33	\$706.66
20419	Drainage excavation, type culvert outlet ditch	Foot*	95	\$3.67	\$348.65
20420	Drainage excavation, type culvert catchbasin	Each	3	\$70.99	\$212.97
20479	Drainage excavation, type roadway ditch	Mile	0.30	\$1,604.26	\$481.28
25101	Placed riprap, class 3	Cubic Yard*	3	\$122.15	\$366.45
30359	Roadway reconditioning, compaction method E	Mile	1.41	\$1,270.45	\$1,791.33
32232	Haul and place stockpiled aggregate, compaction method B	Cubic Yard*	270	\$15.18	\$4,098.60
32450	Crushed aggregate surfacing, compaction method B	Cubic Yard*	340	\$41.74	\$14,191.60
60256A	18-inch corrugated steel pipe, 0.064-inch thickness, method B	Foot	16	\$32.05	\$512.80
60276A	18-inch corrugated aluminized steel pipe, 0.064-inch thickness, method B	Foot	84	\$32.05	\$2,692.20
60710	Reconditioning drainage structures, culvert inlet or outlet	Each	1	\$73.67	\$73.67
* Designates Contract Quantities				Total	\$27,792.87

HORSE T.S.
ENGINEER'S ESTIMATE

7/25/2014
Assumes 3% per annum inflation rate.

Note: This is an in-house tool,
NOT PART OF THE CONTRACT. /s/

Costs projected to midpoint of construction period, 2015, 16months from 4/2014 1.03 Factor

PAY ITEM	DESCRIPTION	PAY UNIT	QTY	P.W. Unit Price	Adjusted PW Unit Cost	Public Works Total Cost	T.S. Unit Price	ADJUSTED T.S. UNIT COST	Timber Sale Total Cost
15101	Mobilization	LS	1	\$7,229.54	\$7,446.43	\$7,446.43	\$6,362.00	\$6,552.86	\$6,552.86
15755	Erosion control & pollution prevention	Each	6	\$534.91	\$550.96	\$3,305.76	\$394.41	\$406.24	\$2,437.44
20103	Clearing & grubbing, disposal of tops and limbs (f), logs (f), stumps (f)	Mile	5.48	\$1,443.10	\$1,486.39	\$8,145.42	\$1,006.07	\$1,036.25	\$5,678.65
20207	Removal of individual trees, disposal of tops and limbs (f), logs (j), stumps (f)	Each	17	\$46.78	\$48.18	\$819.06	\$36.05	\$37.13	\$631.21
20253	Removal of individual trees, miscellaneous: disposal of tops and limbs (f) & logs (f)	Each	19	\$76.32	\$78.61	\$1,493.59	\$52.73	\$54.31	\$1,031.89
20302	Removal of culvert inlet/outlet	Foot	50	\$12.22	\$12.59	\$629.50	\$9.41	\$9.69	\$484.50
20358	Removal of corrugated metal pipe, disposal method (a)	Each	7	\$453.29	\$466.89	\$3,268.23	\$343.04	\$353.33	\$2,473.31
20419	Drainage excavation, type culvert outlet ditch	Foot	125	\$4.84	\$4.99	\$623.75	\$3.56	\$3.67	\$458.75
20420	Drainage excavation, type catchbasin	Each	3	\$92.21	\$94.98	\$284.94	\$68.92	\$70.99	\$212.97
20479	Drainage excavation, type roadway ditch	Mile	0.69	\$1,874.14	\$1,930.36	\$1,331.95	\$1,557.53	\$1,604.26	\$1,106.94
25101	Placed riprap, class 3	Cubic Yard*	1	\$145.00	\$149.35	\$149.35	\$118.59	\$122.15	\$122.15
30359	Roadway reconditioning, compaction method B	Mile	5.48	\$1,686.35	\$1,736.94	\$9,518.43	\$1,310.86	\$1,350.19	\$7,399.04
32450	Crushed aggregate surfacing, compaction method B	Cubic Yard*	450	\$43.54	\$44.85	\$20,182.50	\$40.52	\$41.74	\$18,783.00
60256A	18-inch corrugated steel pipe, 0.064-inch thickness, method B	Foot	30	\$35.27	\$36.33	\$1,089.90	\$31.12	\$32.05	\$961.50
60256B	24-inch corrugated steel pipe, 0.064-inch thickness, method B	Foot	20	\$41.35	\$42.59	\$851.80	\$37.41	\$38.53	\$770.60
60276A	18-inch corrugated aluminized steel pipe, 0.064-inch thickness, method B	Foot	202	\$35.27	\$36.33	\$7,338.66	\$31.12	\$32.05	\$6,474.10
60276B	24-inch corrugated aluminized steel pipe, 0.064-inch thickness, method B	Foot	118	\$41.35	\$42.59	\$5,025.62	\$37.41	\$38.53	\$4,546.54
60276C	30-inch corrugated aluminized steel pipe, 0.064-inch thickness, method B	Foot	46	\$50.51	\$52.03	\$2,393.38	\$45.70	\$47.07	\$2,165.22
60710	Reconditioning drainage structures, culvert inlet or outlet	Each	3	\$86.34	\$88.93	\$266.79	\$71.52	\$73.67	\$221.01
62509	Mulching, dry method	Lump sum	1	\$1,406.90	\$1,449.11	\$1,449.11	\$1,090.74	\$1,123.46	\$1,123.46
			2638		PUBLIC WORKS TOTAL	\$74,165.06		TIMBER SALE TOTAL	\$63,635.14

2638356									
PAY ITEM	DESCRIPTION	PAY UNIT	QTY	P.W. Unit Price	Adjusted PW Unit Cost	Public Works Total Cost	T.S. Unit Price	ADJUSTED T.S. UNIT COST	Timber Sale Total Cost
15755	Erosion control & pollution prevention	Each	1	\$534.91	\$550.96	\$550.96	\$394.41	\$406.24	\$406.24
20103	Clearing & grubbing, disposal of tops and limbs (f), logs (f), stumps (f)	Mile	1.41	\$1,443.10	\$1,486.39	\$2,095.81	\$1,006.07	\$1,036.25	\$1,461.11
20207	Removal of individual trees, disposal of tops and limbs (f), logs (j), stumps (f)	Each	5	\$46.78	\$48.18	\$240.90	\$36.05	\$37.13	\$185.65
20253	Removal of individual trees, miscellaneous: disposal of tops and limbs (f) & logs (f)	Each	2	\$76.32	\$78.61	\$157.22	\$52.73	\$54.31	\$108.62
20302	Removal of culvert inlet/outlet	Foot	16	\$12.22	\$12.59	\$201.44	\$9.41	\$9.69	\$155.04
20358	Removal of corrugated metal pipe, disposal method (a)	Each	2	\$453.29	\$466.89	\$933.78	\$343.04	\$353.33	\$706.66
20419	Drainage excavation, type culvert outlet ditch	Foot	95	\$4.84	\$4.99	\$474.05	\$3.56	\$3.67	\$348.65
20420	Drainage excavation, type catchbasin	Each	3	\$92.21	\$94.98	\$284.94	\$68.92	\$70.99	\$212.97
20479	Drainage excavation, type roadway ditch	Mile	0.3	\$1,874.14	\$1,930.36	\$579.11	\$1,557.53	\$1,604.26	\$481.28
25101	Placed riprap, class 3	Cubic Yard*	3	\$145.00	\$149.35	\$448.05	\$118.59	\$122.15	\$366.45
30359	Roadway reconditioning, compaction method B	Mile	1.41	\$1,589.39	\$1,637.07	\$2,308.27	\$1,233.45	\$1,270.45	\$1,791.33
32232	Haul and place stockpiled aggregate, compaction method B	Cubic Yard*	270	\$16.85	\$17.36	\$4,687.20	\$14.74	\$15.18	\$4,098.60
32450	Crushed aggregate surfacing, compaction method B	Cubic Yard*	340	\$43.54	\$44.85	\$15,249.00	\$40.52	\$41.74	\$14,191.60
60256A	18-inch corrugated steel pipe, 0.064-inch thickness, method B	Foot	16	\$35.27	\$36.33	\$581.28	\$31.12	\$32.05	\$512.80
60276A	18-inch corrugated aluminized steel pipe, 0.064-inch thickness, method B	Foot	84	\$35.27	\$36.33	\$3,051.72	\$31.12	\$32.05	\$2,692.20
60710	Reconditioning drainage structures, culvert inlet or outlet	Each	1	\$86.34	\$88.93	\$88.93	\$71.52	\$73.67	\$73.67
			2638356	PUBLIC WORKS TOTAL		\$31,381.70	TIMBER SALE TOTAL		\$27,792.87

SALE SUMMARY:		Public Works	Timber Sale	
	2638	TOTAL	\$74,165.06	\$63,635.14
	2638356	TOTAL	\$31,381.70	\$27,792.87
TOTAL FOR SALE =		\$105,546.76	\$91,428.01	