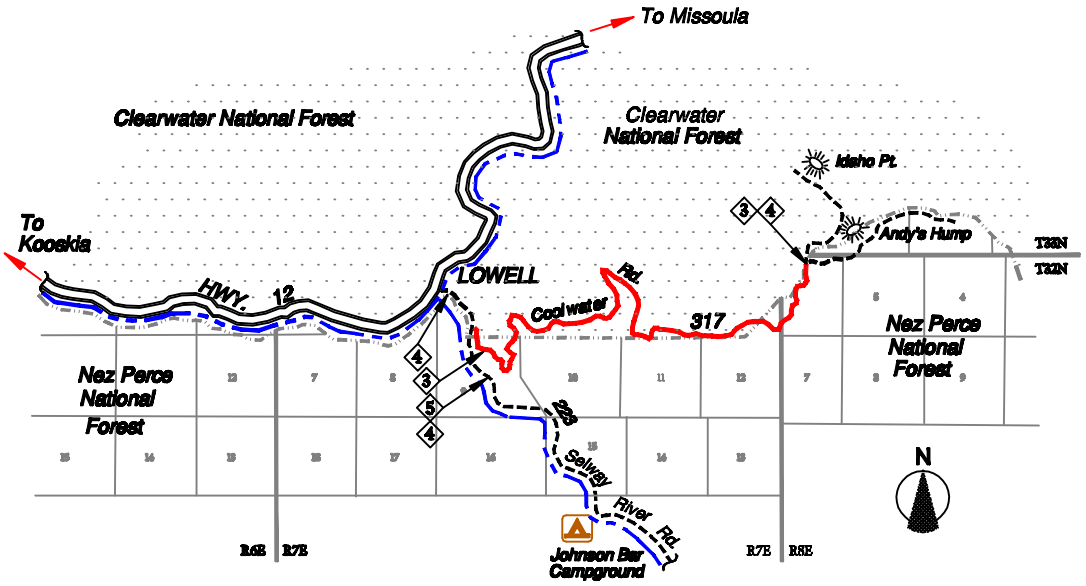
STATE	FOREST	PROJECT	SHEET NO.	TOTAL SHEETS
IDAHO	NEZ PERCE	COOLWATER ROAD 317	6	9

AGGREGATE HAUL MAP AND SIGN PLACEMENT DIAGRAM



LEGEND:

- EXISTING ROAD
- EXISTING ROAD
- ROAD WORK REQUIRED
- FOREST BOUNDARY
- RIVER

SIGNS:

SYMBOL	SIGN NO.	DESCRIPTION	MIN. SIZE
1	FW20-1A or W20-1A	"ROAD CONSTRUCTION AHEAD" or "ROAD CONSTRUCTION 1000 FEET"	36"x36"
2	G20-2	"END ROAD CONSTRUCTION"	36"X18"
3 *	W21-4A	"ROAD WORK AHEAD"	30"x30"
4	W11-9	"CAUTION HEAVY TRUCK TRAFFIC"	30"x30"
5	W8-6	"TRUCK CROSSING"	30"x30"

* MOVEABLE SIGN TO BE PLACED ON EACH END OF AREA(S) OF WORK ON ALL ROADS.

SIGN NOTES:

ALL SIGNS ARE BLACK LETTERS (4" MIN.) AND BORDER (1/2") ON ORANGE REFLECTORIZED BACKGROUND EXCEPT "ROAD CLOSED" SIGN WHICH IS BLACK LETTERS ON WHITE BACKGROUND.

SIGNS AND SIGN PLACEMENT SHALL MEET THE REQUIREMENTS OF THE "MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES" (MUTCD) AS PUBLISHED BY THE U.S. DEPARTMENT OF TRANSPORTATION, FEDERAL HIGHWAY ADMINISTRATION. WORK ON THE PROJECT SHALL NOT BE STARTED UNTIL ALL REQUIRED SIGNS ARE IN PLACE AND APPROVED BY THE F.S. ENGINEER. TEMPORARY CONSTRUCTION SIGNS ARE SUBSIDIARY TO ITEM 601(01).

WHERE TRAFFIC IS MAINTAINED THROUGH OR OVER ANY PART OF THE PROJECT, THE CONTRACTOR SHALL BE REQUIRED TO MARK ALL HAZARDS WITHIN THE LIMITS OF THE PROJECT (INCLUDING CONNECTING ROADS) WITH WELL-MAINTAINED BARRICADES, WARNING AND GUIDE SIGNS. ALL CONSTRUCTION SIGNS SHALL BE MOVED, ADDED TO, CHANGED OR REMOVED AS REQUIRED DURING THE PROGRESS OF CONSTRUCTION AND REMOVED ENTIRELY WHEN THE PROJECT IS COMPLETED.

U.S. DEPARTMENT OF AGRICULTURE
FOREST SERVICE
REGION ONE

AGGREGATE HAUL MAP
and
SIGN PLACEMENT DIAGRAM

	BY:	DATE:	REVISIONS:
DESIGNED:	D. BLADEK	8/08	
DRAWN:	L. PETERSON	8/08	
CHECKED:	J. STROHMEYER	8/08	

SUBMITTED: Douglas Bladek DATE: 8/18/08
APPROVED: Joseph S. Bonn DATE: 8/18/08

COOLWATER ROAD 317 WORK LISTS

COOLWATER ROAD 317 RECONSTRUCTION
SUMMARY WORK LIST
ROAD NO. 317

Sheet 1 of 5

Mile Post	Item Number	Description	Quantity	Unit	Remarks
0.00	30322	Begin Road Reconditioning	5.05	Mile	Junction w/ Selway Road No. 223
	62501	Begin Seeding, Dry Method	1.5	Acre	
0.05					Existing Pipe Gate - No Work Required
0.06	20302	Remove Open Top	1	Each	
	57001	Install Open Top	1	Each	20 ft length
0.09	30109	Begin Aggregate	175	Ton	
0.11	20302	Remove Open Top	1	Each	
	57001	Install Open Top	1	Each	20 ft length
0.23	30109	End Aggregate			
0.30	57001	Install Open Top	1	Each	20 ft length
0.45					Forest Service boundary
0.51	57001	Install Open Top	1	Each	20 ft length
0.57	20302	Remove Open Top	1	Each	
	57001	Install Open Top	1	Each	20 ft length
0.62	30109	Surface Turnout	4	Ton	5' x 40'
0.72	30109	Surface Turnout	4	Ton	4' x 30'
0.85	20302	Remove Open Top	1	Each	
	57001	Install Open Top	1	Each	20 ft length
1.02	30109	Surface Turnout	8	Ton	8' x 60'
1.25	30109	Surface Turnout	4	Ton	8' x 30'
1.35	20302	Remove Open Top	1	Each	
	57001	Install Open Top	1	Each	20 ft length
1.40	20302	Remove Open Top	1	Each	
	57001	Install Open Top	1	Each	20 ft length
1.50	30109	Surface Turnout	4	Ton	8' x 30'

COOLWATER ROAD 317 RECONSTRUCTION
SUMMARY WORK LIST
ROAD NO. 317

Sheet 2 of 5

Mile Post	Item Number	Description	Quantity	Unit	Remarks
1.60	20302	Remove Open Top	1	Each	
	57001	Install Open Top	1	Each	20 ft length
1.70		Existing Turnout Left			
1.80		Existing Turnout Left			
1.81	20302	Remove Open Top	1	Each	
	57001	Install Open Top	1	Each	20 ft length
2.00	57001	Install Open Top	1	Each	20 ft length
2.08	20303	Remove Belt Drain	1	Each	
	57001	Install Open Top	1	Each	20 ft length
2.10	30109	Surface Turnout	4	Ton	5' x 50'
2.16	20303	Remove Belt Drain	1	Each	
	57001	Install Open Top	1	Each	20 ft length
2.20	30109	Surface Turnout	8	Ton	10' x 50'
2.28	30109	Surface Turnout	8	Ton	10' x 40'
2.35	30109	Surface Turnout	16	Ton	14' x 70'
2.39	20303	Remove Belt Drain	1	Each	
	57001	Install Open Top	1	Each	20 ft length
2.43	20302	Remove Open Top	1	Each	
	57001	Install Open Top	1	Each	20 ft length
2.63	20303	Remove Belt Drain	1	Each	
	57001	Install Open Top	1	Each	20 ft length
2.68	20302	Remove Open Top	1	Each	
	57001	Install Open Top	1	Each	20 ft length
2.80	30109	Surface Turnout	16	Ton	8' x 80'
2.91	20302	Remove Open Top	1	Each	
	57001	Install Open Top	1	Each	20 ft length

PROJECT:
COOLWATER ROAD 317

SHEET TITLE:
WORK LISTS

REVISIONS
DESIGNED:
CHECKED:

DESIGNED: D. BLADEK 08/08
DRAWN: L. PETERSON 08/08
CHECKED: J. STROHMEYER 08/08
SUBMITTED: Douglas Bladek 8/18/08
APPROVED: Joseph S. Barr 8/18/08

U.S. DEPARTMENT OF AGRICULTURE
FOREST SERVICE
REGION ONE
NEZ PERCE NATIONAL FOREST

SHEET NO.
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COOLWATER ROAD 317 WORK LISTS

COOLWATER ROAD 317 RECONSTRUCTION					
SUMMARY WORK LIST					
ROAD NO. 317					
					Sheet 3 of 5
Mile Post	**Item Number**	**Description**	**Quantity**	**Unit**	**Remarks**
3.62	20303	Remove Belt Drain	1	Each	
	57001	Install Open Top	1	Each	20 ft length
3.67	20302	Remove Open Top	1	Each	
	57001	Install Open Top	1	Each	20 ft length
3.70	30109	Surface Turnout	8	Ton	8' x 50'
3.73	20303	Remove Belt Drain	1	Each	
	57001	Install Open Top	1	Each	20 ft length
3.81	20302	Remove Open Top	1	Each	
	57001	Install Open Top	1	Each	20 ft length
3.91	30109	Begin Aggregate	125	Ton	
3.93					Existing Turnout Surface full width
3.96	20303	Remove Belt Drain	1	Each	
	57001	Install Open Top	1	Each	20 ft length
4.01	30109	End Aggregate			
4.10	20302	Remove Open Top	1	Each	
	57001	Install Open Top	1	Each	20 ft length
4.17	20303	Remove Belt Drain	1	Each	
	20302	Remove Open Top	1	Each	
	57001	Install Open Top	1	Each	20 ft length
4.25	30109	Surface Turnout	4	Ton	8' x 30'
4.50	20401	Excavation and Embankment	150	CY	See Typicals
4.80	30109	Begin Aggregate	1125	Ton	

COOLWATER ROAD 317 RECONSTRUCTION					
SUMMARY WORK LIST					
ROAD NO. 317					
					Sheet 4 of 5
Mile Post	Item Number	Description	Quantity	Unit	Remarks
5.00	20302	Remove Open Top	1	Each	
	57001	Install Open Top	1	Each	20 ft length
5.05	30322	End Road Reconditioning			
	30323	Begin Subgrade treatment	0.65	Mile	Remove Rocks and Shape Roadbed
5.60	30109	Surface existing turnout			
5.65	20302	Remove Open Top	1	Each	
	57001	Install Open Top	1	Each	20 ft length
5.70	30323	End Subgrade Treatment			
	30322	Begin Road Reconditioning	1.55	Mile	
	30109	End Aggregate			
5.80	30109	Surface existing turnout	8	Ton	
5.90	20302	Remove Open Top	1	Each	
	57001	Install Open Top	1	Each	20 ft length
6.05					MM6.0
7.25	30322	End Road Reconditioning			
	30323	Begin Subgrade treatment	1.6	Mile	Existing Dip- Reshape to Drain
	30109	Begin Aggregate	2000	Ton	
7.29					Existing Dip- Reshape to Drain
7.35					Existing Turnout Surface fullwidth
7.40					Existing Dip- Reshape to Drain
7.45	57001	Install Open Top	1	Each	20 ft length
7.50	20401	Excavation and Embankment	60	CY	Construct Turnout - cut left and fill right

PROJECT:
COOLWATER ROAD 317

SHEET TITLE:
WORK LISTS

REVISIONS
DESIGNED:
DRAWN:
CHECKED:

DESIGNED: D. BLADEK 08/08
DRAWN: L. PETERSON 08/08
CHECKED: J. STROHMEYER 08/08
SUBMITTED: Douglas Bladek 8/18/08
APPROVED: Joseph S. Bonn 8/18/08

U.S. DEPARTMENT OF AGRICULTURE
FOREST SERVICE
REGION ONE
NEZ PERCE NATIONAL FOREST

SHEET NO.
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COOLWATER ROAD 317 WORK LIST

COOLWATER ROAD 317 RECONSTRUCTION
SUMMARY WORK LIST
ROAD NO. 317

Sheet 5 of 5

Mile Post	Item Number	Description	Quantity	Unit	Remarks
7.60	57001	Install Open Top	1	Each	Remove Existing Dip - 20 ft length
7.65	57001	Install Open Top	1	Each	20 ft length
7.70		Remove Existing Dip			Incidental to 30323
7.75		Existing Dip-Reshape to Drain			Incidental to 30323
7.79					Existing Turnout Surface full width
7.82					Existing Turnout Surface full width
7.90	57001	Install Open Top	1	Each	20 ft length
7.95	57001	Install Open Top	1	Each	20 ft length
8.03	57001	Install Open Top	1	Each	20 ft length
8.10	57001	Install Open Top	1	Each	20 ft length
8.15	57001	Install Open Top	1	Each	20 ft length
8.22	57001	Install Open Top	1	Each	20 ft length
8.23					Existing Turnout Surface full width
8.33		Existing sag - shape to drain			Incidental to 30323
8.37		Existing sag - shape to drain			Incidental to 30323
8.41	30109	Existing sag - shape to drain			Incidental to 30323
8.45					Existing Turnout Surface full width
					Existing Dip-Reshape to Drain
8.51	57001	Install Open Top	1	Each	20 ft length
8.57	57001	Install Open Top	1	Each	20 ft length
8.61		Existing Dip-Reshape to Drain			Incidental to 30323
8.80		Remove dip - shape to drain			Incidental to 30323
8.85	30323	End Subgrade Treatment			Construct Turnaround (incidental to
	30109	End Aggregate			subgrade treatment(30323))

PROJECT:
COOLWATER ROAD 317

SHEET TITLE:
WORK LIST

REVISIONS
DESIGNED:
DRAWN:
CHECKED:

DESIGNED: D. BLADEK 06/08
DRAWN: L. PETERSON 06/08
CHECKED: J. STROMEYER 06/08
SUBMITTED: Douglas Bladek 6/18/08
APPROVED: Joseph S. Born 6/19/08

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SHEET NO.
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