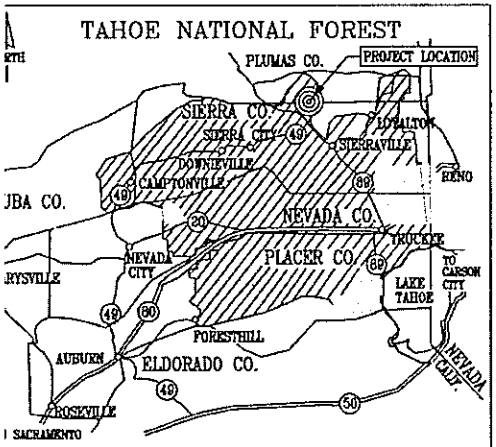
UNITED STATES DEPARTMENT OF AGRICULTURE
FOREST SERVICE
REGION FIVE

SADDLE NE TIMBER SALE

PLANS FOR PROPOSED
FOREST DEVELOPMENT ROADS

TAHOE NATIONAL FOREST
SIERRA COUNTY



ROAD(S) INDEX

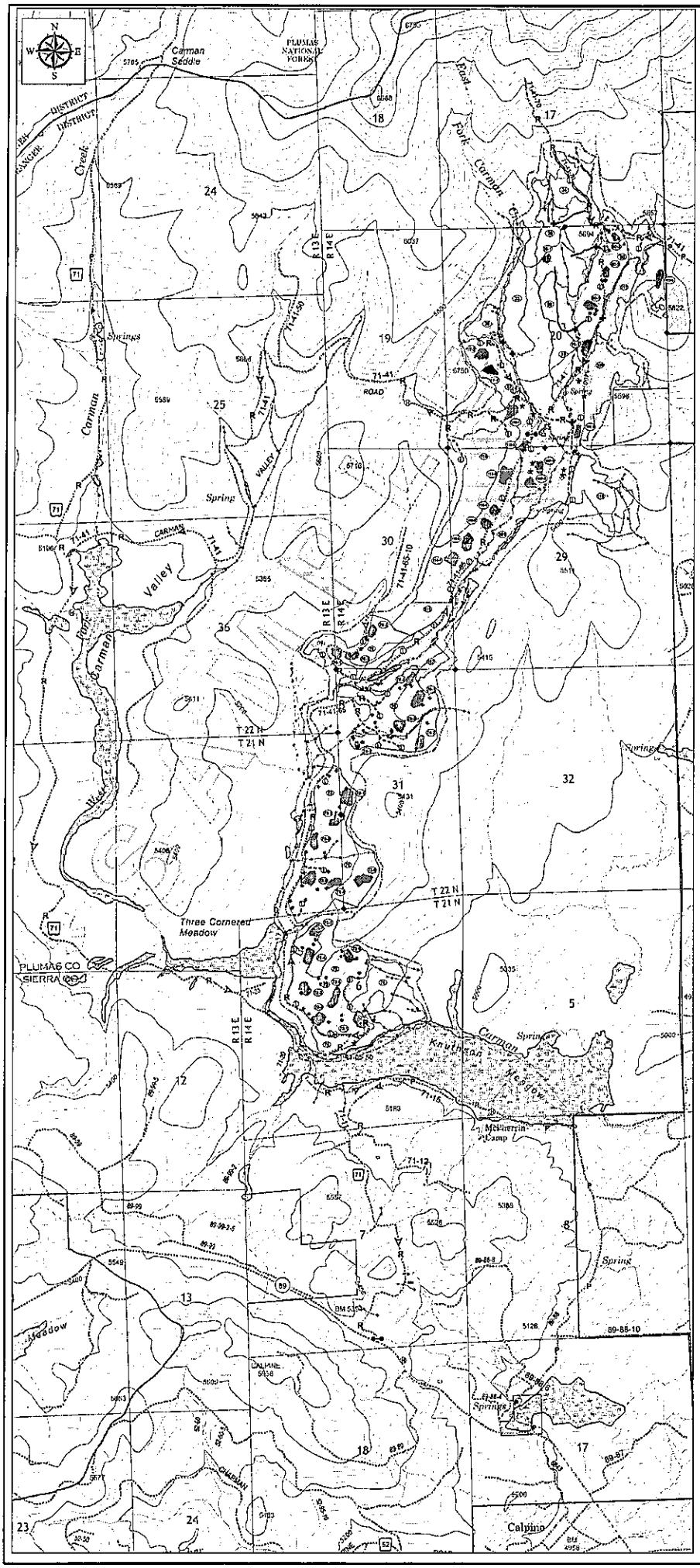
ROAD NO.	ROAD NAME	RECONST. MILES	NEW CONST. MILES	DESIGN STANDARD
71-41-70	CARMEN VALLEY SPUR	0.54	N/A	S-5

SHEET(S) INDEX

SHEET NO.	DESCRIPTION
1	TITLE SHEET
2	SALE AREA MAP
3	RECONSTRUCTION REQUIREMENTS
4	71-41-70 RECONSTRUCTION PLANS
5	WATER BAR DETAILS
6	CONSTRUCTION SIGNS
7	CULVERT DETAILS

REVIEWED BY:	ENGINEERING REVIEW	DATE	DISTRICT RANGER	DATE	FOREST O & M	DATE	DESIGNER	DATE	FOREST ENGINEER	DATE
		10/12/16		10/17/2016		10/17/16		10/17/16		10/17/16

STATE	FOREST	PROJECT NAME	SHEET NUMBER	OF SHEETS
CALIF.	TAHOE	SADDLE NE T.S.	1	6-7



USDA - FOREST SERVICE
TAHOE NATIONAL FOREST
SIERRAVILLE RANGER DISTRICT

SADDLE NORTHEAST TIMBER SALE

Sale Area and Road Maintenance Map

1:12,000

Map Legend

- Subdivision or Group Number - B1.1
- Sale Area Boundary - B1.1, B2.3, C2.35#
- Subdivision Boundary (Thinning) - B1.1, C2.35#, C2.35#
- Subdivision Boundary (Radial Thinning and Groups) - B1.1, C2.35#
- Group Selection - B1.1, C2.35#
- Radial Thin - B1.1, C2.35#
- Black Oak Restoration (Thin) - B1.1, C2.35#
- Wildlife Enhancement Patch - B1.1, B6.24, C6.24#, C6.41#
- Other Ownership - B1.1, B6.23, C6.41#
- 71-41 Road Number - B1.1
- Existing Transportation System - B1.1, B5.12, B5.3, B5.4, B6.33, B6.423, B6.6, C5.12#, C5.31#
- Planned Temporary Road to be Reopened or Constructed by Purchaser (Location Approximate) - B1.1, B5.1, B5.12, B5.3, B5.4, B6.33, B6.423, B6.53, B6.6, C5.12#, C5.31#, C5.31#
- Road to be Reconstructed by Purchaser - B.1, B5.12, B5.3, B5.4, B6.33, B6.423, B6.6, C5.12#, C5.31#, C5.21#
- Proposed Skid Trail Location (Location Approximate) - B1.1, B6.42, B6.422, B6.65, B6.66
- Proposed Streamcourse Crossing (Location Approximate) - B1.1, B6.42, B6.422, B6.65, B6.66
- Hauling Restricted - B1.1, B5.12, C5.12#, C6.31#
- Hauling Prohibited - B1.1, B5.12, C5.12#, C6.31#
- Direction of Haul - B1.1, B6.33, B6.841, C5.3
- Proposed Landing Location (Location Approximate) - B6.33, B6.34, B6.42, B6.422, B6.64, C6.31#, C6.6#, C6.7#
- Potential Water Source (Location Approximate) - B1.1, B5.3, B6.22, B6.6, C5.31#, C5.35#, C6.31#
- Spring to Protect (Location Approximate) - B1.1, C6.41#
- Streamcourse to Protect - Equipment Exclusion Zone - 25' Minimum - Unless otherwise designated (Bank Mark Upper Level) - B1.1, B6.6, B6.8, C5.31#, C6.41#, C6.42#, C6.5, C6.6#
- Meadow to Protect - B1.1, B6.61, C6.31#, C6.41#, C6.5, C6.6#
- Improvement to Protect, Land Survey Monument (Location Approximate) - B1.1, B6.22, B6.23, C6.41#
- Improvement to Protect, Gate or Barricade (Location Approximate) - B1.1, B6.22
- Improvement to Protect, Cattle Guard (Location Approximate) - B1.1, B6.22
- Improvement to Protect, Range Fence (Location Approximate) - B1.1, B6.22
- Helicopter Emergency Evacuation Location (Location Approximate) - B1.1, B6.33

Subdivision Requirements

Subdivision	Requirements
33, 34, 35, 36, 70, 107, 109, 110, 111, and 115	THIN, ITM, TS, DF, SEPM, SOS, BACK, MACH, ASTR, NO LOP, WHOLE, MH, SPACE, TRAC, SUSP, ENDL
17-1 thru 17-2, 19-1, 25-1, 73-1 thru 73-7, 73-1 thru 73-6, 74-1 thru 74-2, 75-1 thru 75-3, 76-1 thru 76-3, 80-1 thru 80-3, 109-1 thru 109-3, 111-1, AND 115-1 thru 115-7	DS, LTM, TS, DF, SEPM, SOS, BACK, MACH, ASTR, NO LOP, WHOLE, MH, SPACE, TRAC, SUSP, ENDL
19, 72, 73, 74, 75, 76, and 80	RT, ITM, TS, DF, SEPM, SOS, BACK, MACH, ASTR, NO LOP, WHOLE, MH, SPACE, TRAC, SUSP, ENDL

Requirements Legend

THIN	Mechanical Thinning Required - B1.1, B2.2, B2.3, C2.35#, C6.42#
GS	Group Selection Required - B1.1,B2.2, B2.3, C2.35#, C6.42#
RT	Radial Thinning Required - B1.1, B2.2, B2.3, C2.35#, C6.42#
ITM	Individual Marked Trees - B1.1, B2.35, B6.4, C2.35#
LTM	Leave Marked Trees - B1.1, B2.35, B6.4, C2.35#
TS	Treatment of Stumps - B1.1, B6.34, B6.412, C6.41#
DF	Directional Felling Required - B1.1, B6.24, C6.41#
SEPM	Special Erosion Prevention Control Measures - C6.31#, C6.5#
SOS	Sale Operations Schedule - C6.31##
BACK	Backblading Required - C6.31#
MACH	Pile Landing Slash - B6.7, C6.7#
ASTR	Additional Slash Treatment Requirements - B6.7, C6.7#
NO LOP	No Limbing - C6.41#
WHOLE	Whole Tree Yarding Required - B6.4, B6.42, C6.41#
MH	Mechanical Harvesting - B6.4, B6.41, C6.42#.
SPACE	Skid Trail/Road Spacing - B6.4, B6.42, C6.31#, C6.42#
TRAC	Ground Based Skidding - B6.4, B6.42, C6.42#
SUSP	One End Suspension - B6.4, B6.42, C6.42#
ENDL	Endlining to Protect Resources - B6.4, B6.42, C6.31#, C6.42#
W	Water - Dust Abatement - B6.33, C6.35#, C6.31#, C6.5
R	Hauling Restricted - B5.12, C5.12#
P	Hauling Prohibited - B5.12, C5.12#
KO	Keep Roads and Trails Open - B1.1, B5.22
N	Native Road Surface - B5.12, B5.3, C5.31#, C6.31##
G	Aggregate Road Surface - B5.12, B5.3, C5.31#, C6.31##

Transportation System, Trail, and Landing Requirements

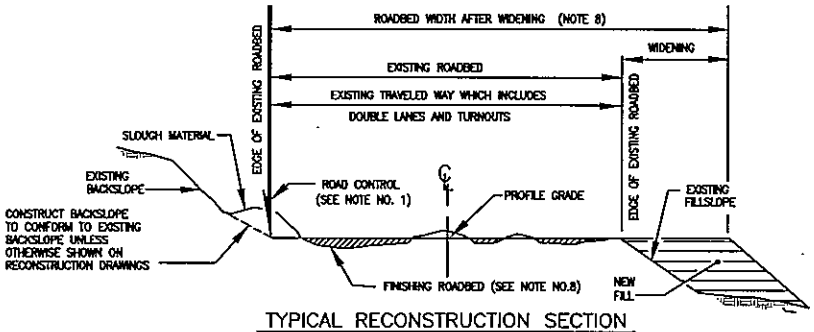
Road/Trail	Requirements	Surface
71	W, KO, P, R	N, G
71-15	P	N
71-41	W, KO, P, R	N, G
71-41-65	W, KO, R	N, G
71-41-65-10	W, KO, R	N
71-41-65-30	W, KO, R	N
71-41-30	W, KO, R	N
89-88	P	N
Temporary Roads	W, R	N
Landings	MACH	N

- Traffic Control Plan Necessary for Operation On or Adjacent to Existing Transportation System Roads or Trails - B6.33
- Remote Automated Weather Station: T.N.F. Eastside Group - B7.2, C7.22#
(For Daily FAL Weather Information, Call 530-994-3401 Opt. 4)
- Cleaning of Equipment Required Before Entering Sale Area - B6.35, C6.315#
- Special Erosion Control Prevention Measures: 5 Acres - C6.5#
- Contour Interval - 40 Feet
- Landlines are approximate.

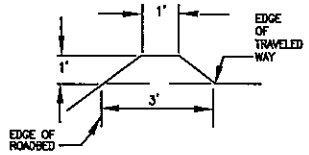
USDA

Data Source: Tahoe National Forest Geospatial Corporate Database
- Projection: UTM Zone 10, Datum NAD83, Spheroid GRS_1980
- This map product is reproduced from geospatial information prepared by USDA, Forest Service. GIS data and product accuracy may vary. Using GIS products for purposes other than those for which they were created may yield inaccurate results.
- Drafted by Jenelle L. Thompson 10/03/2016

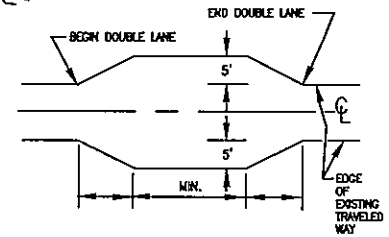
Note: To plot map at 1:12,000 Scale use Custom Arch E2 (28 X 38) Paper Size for Plotter.



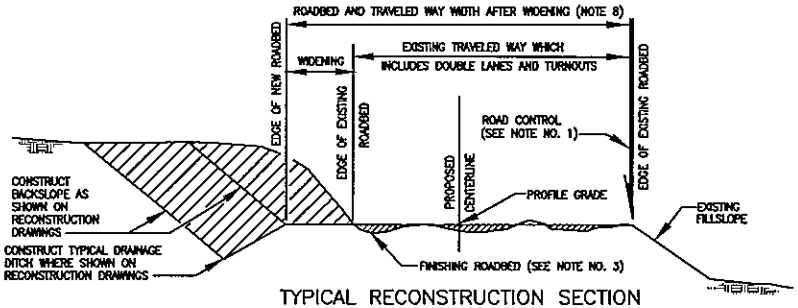
TYPICAL RECONSTRUCTION SECTION



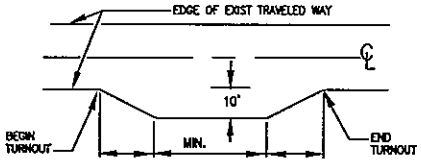
TYPICAL ROADWAY BERM DETAIL



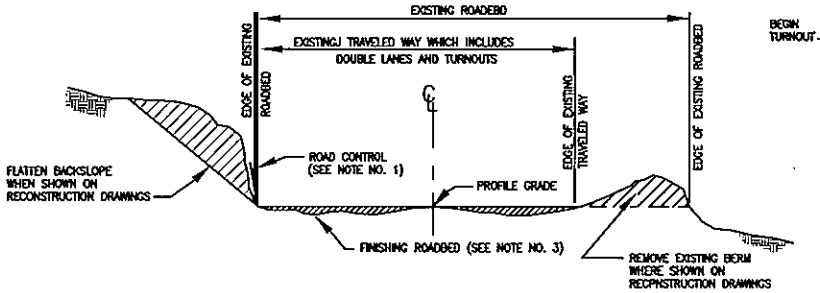
DOUBLE LANE DETAIL



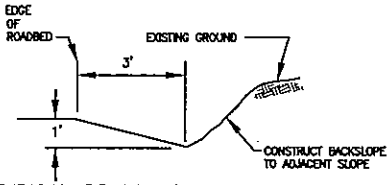
TYPICAL RECONSTRUCTION SECTION
SHOWING WIDENING AND DRAINAGE DITCH



TURNOUT DETAIL



TYPICAL RECONSTRUCTION SECTION
SHOWING FLATTER BACKSLOPE AND BERM REMOVAL



TYPICAL DRAINAGE DITCH DETAIL

RECONSTRUCTION SCHEDULE

ROAD NUMBER	SLASH TREATMENT METHODS			EMBANKMENT PLACEMENT METHODS	TOLERANCE CLASS	PAVEMENT STRUCTURE			
	TOPS & LIMBS	LOGS	STUMPS			STA.	TO STA.	DEPTH	TYPE
71-41-70	C,H		F						

NOTES:

1. ROAD CONTROL
   WHEN SHOWN ON THE RECONSTRUCTION DRAWINGS, ROAD CONTROL SHALL BE THE POINT FROM WHICH ALL WIDTH MEASUREMENTS ARE MADE.
2. CLEARING
   CLEARING WIDTH SHALL BE 4' BEYOND EDGE OF ROAD OR BOTTOM OF DITCH, WHICHEVER IS GREATER
3. FINISHING ROADBED
   ALL AREAS SHOWN ON THE RECONSTRUCTION DRAWINGS WHERE WORK IS REQUIRED SHALL BE SHAPED AND DRESSED.
4. TRAVELED WAY WIDTH
   TRAVELED WAY WIDTH SHALL REMAIN AS EXISTING UNLESS SPECIFIED OTHERWISE ON THE RECONSTRUCTION DRAWINGS.
5. CROSS SLOPE
   CROSS SLOPE SHALL REMAIN AS EXISTING UNLESS SPECIFIED OTHERWISE ON THE RECONSTRUCTION DRAWINGS.
6. EXCESS EXCAVATION
   UNLESS SPECIFIED OTHERWISE ON THE RECONSTRUCTION DRAWINGS, EXCESS EXCAVATION FROM WIDENING ROADBED, FLATTENING BACKSLOPES, TURNOUTS, DOUBLE LANES, DITCHES, DIPS, SLOUGH MATERIAL AND BERM REMOVAL SHALL BE PLACED AND SPREAD ON ROADBED.
7. BERM REMOVAL
   WHEN SPECIFIED ON THE RECONSTRUCTION DRAWINGS, BERMS SHALL BE REMOVED TO THE EXISTING SUBGRADE ELEVATION AND SHALL CONFORM TO EXISTING CROSS SLOPE.
8. WIDENING
   WIDENING DISTANCE AND WIDTH AFTER WIDENING IS SHOWN ON THE RECONSTRUCTION PLANS.

RECONSTRUCTION REQUIREMENTS		
PROJECT NAME	SHEET NUMBER	OF SHEETS
SADDLE NE T.S.	3	6

File Name TAHOE =:>\ACAD11\LIBRARY\RECONSTQ

Reconstruction Plans

Road Number: 71-41-70 Backslope 0.75:1

Road Name: Carmen Valley Spur. Fillslope 1.5:1

Minimum Travel Way = 14'

Mile Post	Description of work
0.00	Beginning of Project. Intersection of 71-41 Road. Begin reconstruction according to FSSS 299 - Composite Road Reconstruction
0.01	Begin ¾" aggregate. 4" depth 14' wide. (Compaction Method A)
0.04	Install 30' of 36" CMP (Compaction Method B)
0.06	End ¾" aggregate
0.07	Construct waterbar
0.09	Construct waterbar
0.12	Construct waterbar
0.16	Construct waterbar
0.19	Construct waterbar
0.24	Construct waterbar
0.28	Construct waterbar
0.32	Construct waterbar
0.35	Construct waterbar
0.383	Construct waterbar
0.385	Remove rock, 2 stumps, and 2 small pines.
0.44	Construct waterbar
0.47	Construct waterbar
0.52	Construct waterbar
0.54	End of Project

Notes:

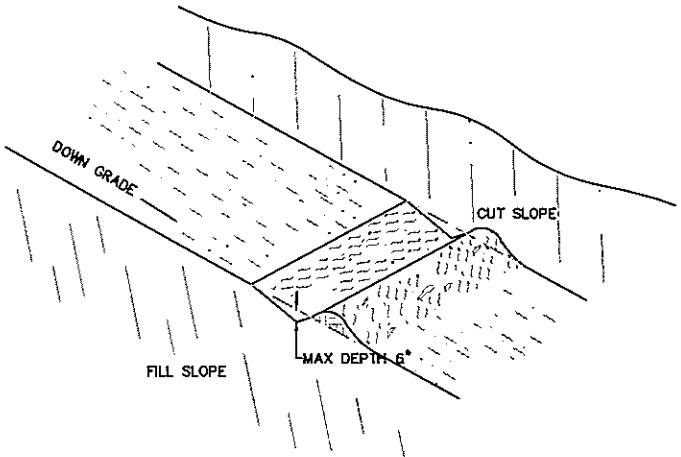
1) Maintain 2% outslope where practical.

2) Roadside clearing limits shall be 4 feet beyond the traveled way. The minimum clearing width shall be 22 feet and the maximum shall be 32 feet. Clearing shall include trees up to 6" dbh. Clearing limits for leadoff ditches are shown on the typical drawings.

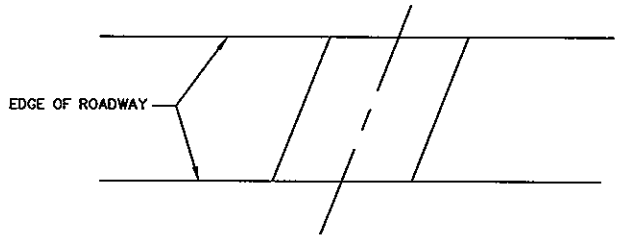
WATER BAR DETAIL

For Use on Open Roads

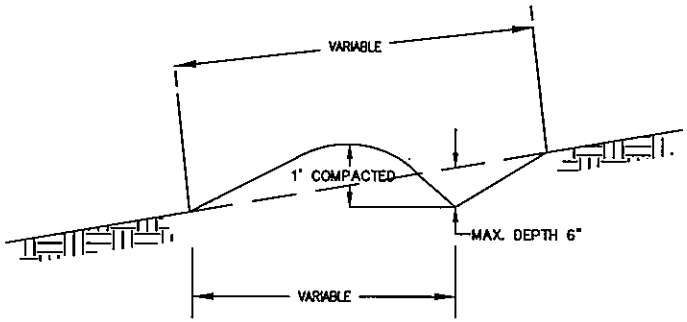
NO SCALE



PERSPECTIVE VIEW



PLAN VIEW

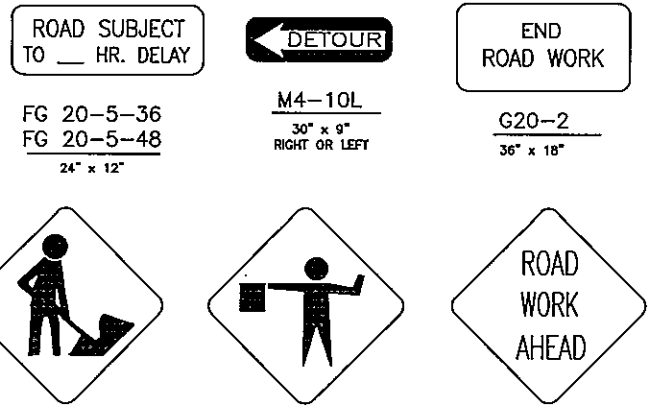


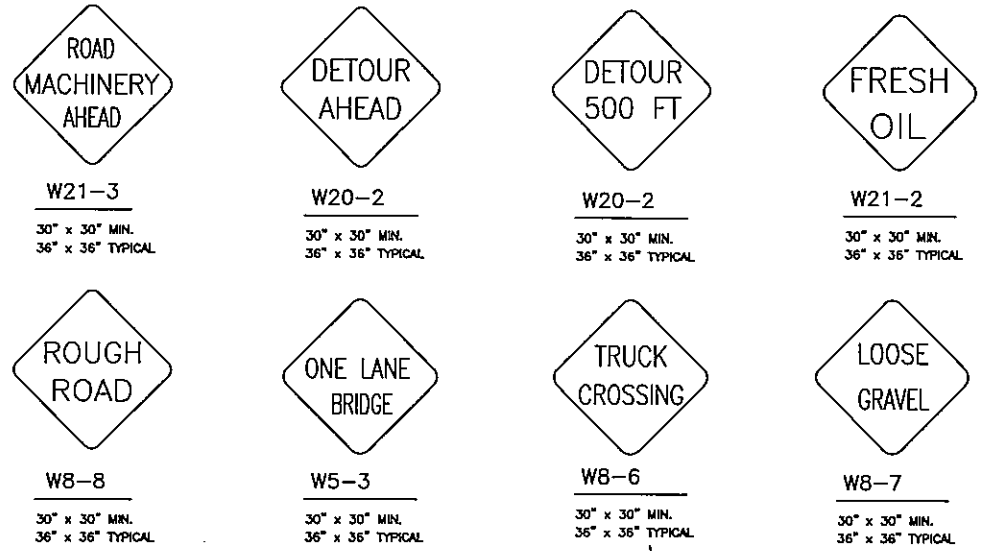
PROFILE VIEW

NOTES

1. ALL WATER BARS SHALL BEGIN AT THE INTERSECTION OF THE ROADBED AND CUT SLOPE AND RUN ACROSS THE ENTIRE WIDTH OF THE ROADBED.
2. ALL WATER BARS SHALL HAVE FREE FLOWING OUTLETS.
3. WHEN STAKES ARE USED, THEY SHALL DESIGNATE THE OUTLET LOCATION.

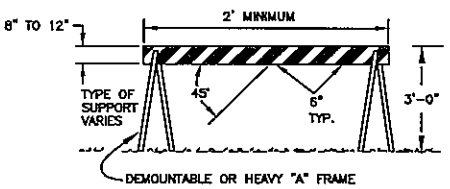
WATER BAR DETAIL		
PROJECT NAME	SHEET NUMBER	OF SHEETS
SADDLE NE T.S.	5	6



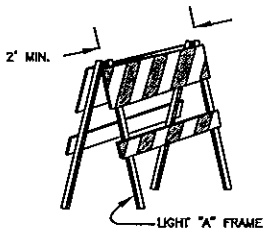


GENERAL NOTES:

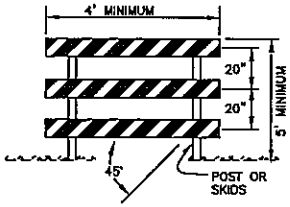
1. DESIGNS FOR SIGNS AND CHANNELIZING DEVICES SHALL BE IN ACCORDANCE WITH MINIMUM STANDARDS IN THE "MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES FOR STREETS AND HIGHWAYS" LATEST EDITION.
2. SIGNS SHALL BE MADE FROM SUITABLE MATERIALS WHICH ARE IN ACCORDANCE WITH ALL STATE AND FEDERAL SPECIFICATIONS.
3. ALL CONSTRUCTION SIGNS SHALL BE BLACK ON ORANGE.
4. SIGNS THAT ARE INTENDED TO BE USED DURING AN HOUR OF DARKNESS OR LONGER THAN THREE DAYS IN THE SAME LOCATION SHALL BE EITHER RETROREFLECTIVE OR ILLUMINATED.
5. SIGN SUBSTRATE MAY BE WOOD, METAL, POLYPLATE, FABRIC OR OTHER APPROVED MATERIAL.
6. SIGNS SHALL BE LOCATED WHERE THEY WILL BE CONSPICUOUSLY VISIBLE DAY AND NIGHT ON THE RIGHT HAND SIDE OF APPROACHING TRAFFIC. THEY SHALL BE FACING TRAFFIC AND LOCATED WHERE THEY CAN BE SEEN AT ALL TIMES BY APPROACHING DRIVERS.
7. WHEN A SIGN IS REQUIRED FOR AN EXTENDED PERIOD, IT SHALL BE FASTENED TO 4 X 4 POSTS WITH 2-3/8" CARRIAGE BOLTS. PORTABLE CRASHWORTHY SUPPORTS ARE PERMITTED FOR SHORT PERIODS PROVIDED THE CONSTRUCTION IS SUCH THAT WIND OR OTHER AGENTS CANNOT READILY UPSET THE SIGN.
8. ADVANCE WARNING SIGNS OF CONSTRUCTION ACTIVITIES SHOULD BE LOCATED BETWEEN 500 AND 1500 FEET IN ADVANCE OF CONSTRUCTION, DEPENDING UPON THE PREVAILING SPEED ON THE ROAD.
9. OTHER SIGNS, NOT SHOWN, THAT BETTER DESCRIBE THE CONSTRUCTION ACTIVITY MAY BE USED PROVIDED THEY ARE IN CONFORMANCE WITH MUTCD STANDARDS AND COMMONLY USED BY OTHER AGENCIES.
10. SELECTION AND PLACEMENT OF ALL SIGNS SHALL BE SUBJECT TO APPROVAL OF THE ENGINEER.
11. LIGHTING DEVICES SUCH AS FLASHERS, TORCHES, LANTERNS AND ELECTRIC LIGHTS SHALL BE PLACED AND MAINTAINED FROM SUNSET TO SUNRISE AT ALL POINTS OF HAZARD AND AT ALL SIGNS INDICATING CAUTION.
12. DIAMOND WARNING SIGNS SHALL BE 30" X 30" OR LARGER FOR LOW VOLUME ROADS. A LOW VOLUME ROAD IS DEFINED AS HAVING AN AVERAGE OF LESS THAN 400 VEHICLES PER DAY AND AN 85TH PERCENTILE SPEED OF LESS THAN 35 MILES PER HOUR.
13. DIAMOND WARNING SIGNS FOR CONVENTIONAL ROADS SHALL BE 36" x 36" OR LARGER.
14. BARRICADES SHALL BE CRASHWORTHY.
15. THE SIDES OF BARRICADES FACING TRAFFIC SHALL HAVE RETROREFLECTIVE RAIL FACES.
16. STRIPES ON BARRICADE RAILS SHALL BE ALTERNATING ORANGE AND WHITE.



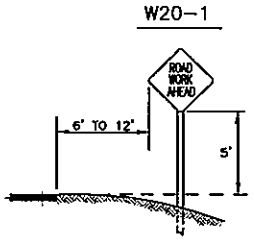
TYPE I BARRICADE

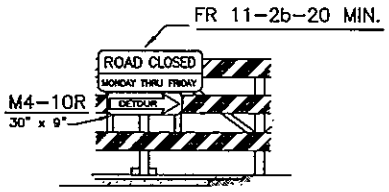


TYPE II BARRICADE

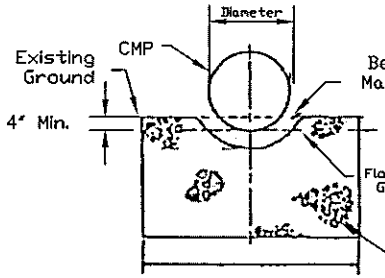


TYPE III BARRICADE

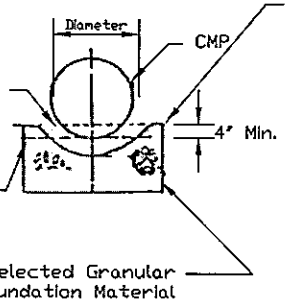




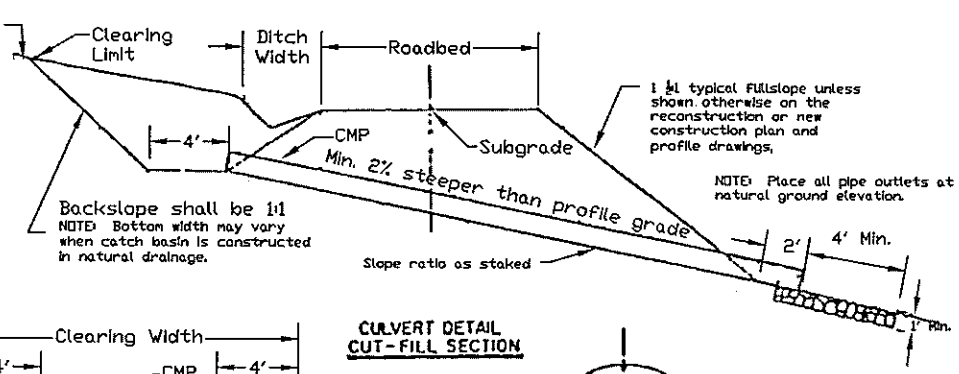
CONSTRUCTION SIGNS		
PROJECT NAME	SHEET NUMBER	OF SHEETS
SADDLE NE T.S.	6	6



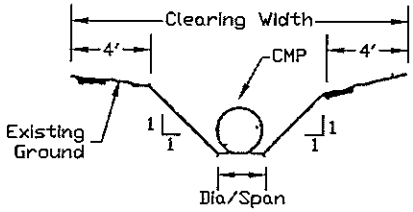
UNSUITABLE FOUNDATION



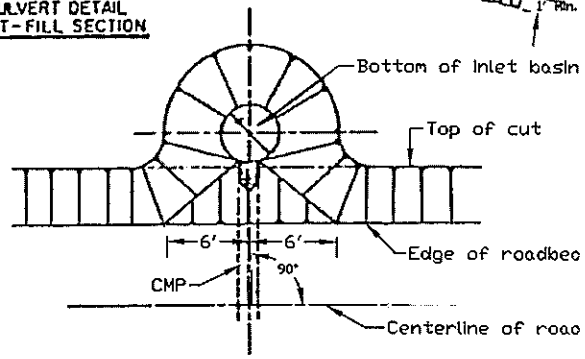
ROCK FOUNDATION



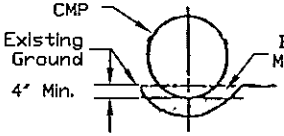
CULVERT DETAIL
CUT-FILL SECTION



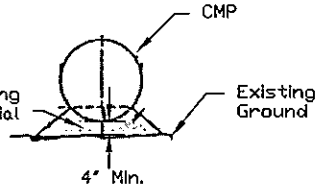
CULVERT OUTLET DITCH CROSS SECTION



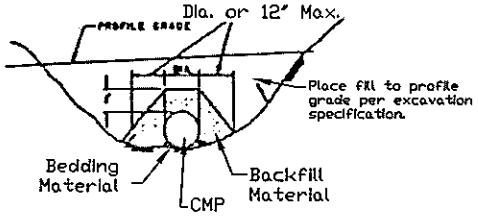
INLET BASIN PLAN



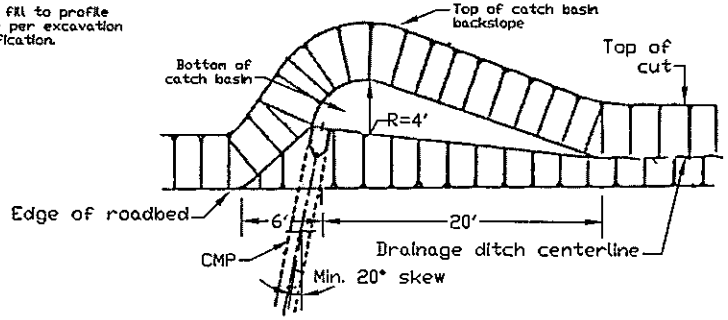
SECTION A-A



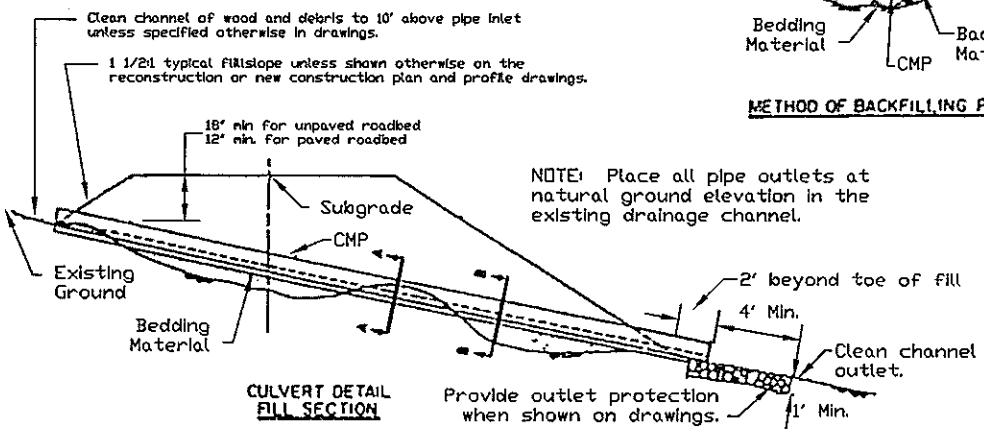
SECTION B-B



METHOD OF BACKFILLING PIPE



CATCH BASIN PLAN



CULVERT DETAIL
FILL SECTION

No Scale

CULVERT INSTALLATION DETAILS

DRAWN EPF REVISED M. Hallas, 6/04

STATE	FOREST	PROJECT	SHEET NO
Calif	Tahoe		

Schedule of Items Applicable to A7 and B5.2

Sale Name:	Saddle NE Timber Sale	Road Name:	Carmen Valley Sp	Road Number:	71-41-70	Segment No.	
New construction:	No	Reconstruction:	Yes	Design Class:	S-5	Survey Class:	
Mile Post:	0.00 - 0.54			Equations:	No	Length:	0.54 Miles
Estimated By:	Robert Reugebrink	Checked By:		DE Review:		SO Review:	
Cost Guide Date:		Estimation Date:	07/15/16	Tahoe National Forest		Page:	1 of 1

1	2	3	4	5	6	7	8	9	10	11	12
Item No.	Description	Method of Measure	Unit of Measure	Base Unit Cost	Projection Factor	Estimated Unit Cost	Red. Factor	Reduced Unit Cost	Estimated Quanitity	Road Const. Cost	P.W. Road Const. Cost
PRISM											
151(01	Mobilization	DG	LS	1,500.00	1	1,500.00	1.00	1,500.00	1	1,500.00	1,500.00
299(01)	Composite Road Reconstruction	DG	Mile	15,000.00	1.1	16,500.00	0.72	11,880.00	0.54	6,415.20	8,910.00
								SUBTOTAL		7,915.20	10,410.00
CULVERT											
602(01)	36" Corrugated Metal Pipe		Material	31.95	1	31.95	1.00	31.95			
	0.064 Inch Thickness for Steel or		Install	26.83	1.1	29.51	0.54	15.94			
	0.060 Inch Thickness for Aluminum	AQ	Lin. Ft.			61.46		47.89	30	1,436.61	1,843.89
								SUBTOTAL		1,436.61	1,843.89
SURFACE											
324(01)	Minor Aggregate Compaction Meth A	AQ	Ton	45.00	1	45.00	1.00	45.00	70	3,150.00	3,150.00
								SUBTOTAL		3,150.00	3,150.00
								TOTAL		12,501.81	15,403.89

DQ = Design Quanitity VQ = Vehicle Quantity LSQ = Lump Sum Quantity AQ = Actual Quantity SQ = Staked Quantity

Applicable Forest Service Supplemental Specifications

Subsection	Description	Spec approval date
Preface	Preface	wo_03_12_2004_m
101	Terms, Format, and Definitions	101.00_nat_us_07-25-2005
101.01	Meaning of Terms	101.01_nat_us_01-22-2009
101.03	Abbreviations	101.03_nat_us_06-16-2006
101.04	Definitions	101.04_nat_us_03-29-2007
102	Bid, Award, and Execution of Contract	102.00_nat_us_02-16-2005
103	Scope of Work	103.00_nat_us_02-16-2005
104	Control of Work	104.00_nat_us_06-16-2006
104.06	Use of Roads by Contractor	104.06_nat_us_02-17-2005
105.02	Material Sources	105.02_nat_us_01-18-2007
105.05	Use for Material Found in the Work	105.05_nat_us_05-12-2004
106	Acceptance of Work	106.07_nat_us_05-11-2004
107.05	Responsibility for Damage Claims	107.05_nat_us_05-11-2004
107.06	Contractor's Responsibility for Work	107.06_nat_us_16-16-2006
107.09	Legal Relationship pf the Parties	107.09_nat_us_06-16-2006
107.10	Environmental Protection	107.10_nat_us_06-16-2006
108	Prosecution and Progress	108.00_nat_us_02-16-2005
109	Measurement and Payment	109.00_nat_us_02-17-2005
109.02	Measurement Terms and Definitions	109.02_nat_us_06-16-2006
155	Schedules for Construction	155.00_nat_us_05-11-2004
170	Develop Water Supply and Watering	170.00_nat_us_03-03-2005
209.10	Backfill	209.10_nat_us_10-23-2007
209.11	Compacting	209.11_nat_us_02-24-2005
299	Composite Road Reconstruction	R5-17 08-2016
324	Minor Aggregate Courses – Commercial Source	324.00_nat_us_09-28-2008
602.03	General	602.03_nat_us_09-06-2005

Note: Forest Service Supplemental Specifications can be read in their entirety at the following location.

http://www.fs.fed.us/eng/transp/fp03.htm

Road Maintenance Specifications

For
Timber Sale Contracts

June 2006

Saddle NE Timber Sale

	Specification Number	Specification Title
[X]	T-800	Definitions
[ ]	T-801	Slide and Slump Repair
[ ]	T-802	Ditch Cleaning
[X]	T-803	Surface Blading
[X]	T-804	Surface Repair
[X]	T-805	Drainage Structures
[X]	T-806	Dust Abatement
[X]	T-807	Roadside Vegetation
[ ]	T-808	Miscellaneous Structures
[X]	T-809	Waterbars
[X]	T-810	Barriers
[ ]	T-811	Surface Treatment

17-2400-15
(5/83)

Timber Sale Road List Worksheet

Saddle NE Timber Sale

Road Number	From	To	Miles
71	71-41 Road	SR 89	5.50
71-41	North boundry on Unit 111	71 Road	4.80
71-41-65	End	71-41 Road	3.80
71-41-65-10	Unit 76-2	71-41-65 Road	0.50
71-41-65-50	Water hole	71-41-65 Road	0.10
71-41-70	North boundry on Unit 34	71-41 Road	0.50

Deposit Rate Calculations

Surface Replacement/Recurrent/Deferred Maintenance

Saddle NE Timber Sale

Road Number	Miles	Volume (MBF)	Surface Replacement Rate	Surface Replacement Deposit	Surface Deposit Total	Recurrent Deposit Rate	Recurrent Deposit	Recurrent Deposit Total	Deferred Deposit Rate	Deferred Deposit	Deferred Deposit Total
71-41-70	0.16	74	$1.14	$13.50	$13.50	$0.62	$7.34	$7.34	$0.06	$0.71	$0.71
74-41-70	0.15	103	$1.14	$17.61	$31.11	$0.62	$9.58	$16.92	$0.06	$0.93	$1.64
71-41-65-10	0.25	16	$1.14	$4.56	$35.67	$0.62	$2.48	$19.40	$0.06	$0.24	$1.88
71-41-65-10	0.17	32	$1.14	$6.20	$41.87	$0.62	$3.37	$22.77	$0.06	$0.33	$2.20
71-41-65-10	0.08	82	$1.14	$7.48	$49.35	$0.62	$4.07	$26.84	$0.06	$0.39	$2.60
71-41-65	0.12	24	$1.14	$3.28	$52.63	$0.62	$1.79	$28.63	$0.06	$0.17	$2.77
71-41-65	0.32	113	$1.14	$41.22	$93.86	$0.62	$22.42	$51.04	$0.06	$2.17	$4.94
71-41-65	0.22	201	$1.14	$50.41	$144.27	$0.62	$27.42	$78.46	$0.06	$2.65	$7.59
71-41-65	0.27	225	$1.14	$69.26	$213.52	$0.62	$37.67	$116.13	$0.06	$3.65	$11.24
71-41-65	0.18	249	$1.14	$51.09	$264.62	$0.62	$27.79	$143.91	$0.06	$2.69	$13.93
71-41-65	0.23	275	$1.14	$72.11	$336.72	$0.62	$39.22	$183.13	$0.06	$3.80	$17.72
71-41-65	0.18	301	$1.14	$61.77	$398.49	$0.62	$33.59	$216.72	$0.06	$3.25	$20.97
71-41-65	0.23	327	$1.14	$85.74	$484.23	$0.62	$46.63	$263.35	$0.06	$4.51	$25.49
71-41-65	0.53	356	$1.14	$215.10	$699.32	$0.62	$116.98	$380.33	$0.06	$11.32	$36.81
71-41-65	0.03	377	$1.14	$12.89	$712.22	$0.62	$7.01	$387.35	$0.06	$0.68	$37.49
71-41-65	0.09	425	$1.14	$43.61	$755.82	$0.62	$23.72	$411.06	$0.06	$2.30	$39.78
71-41-65	0.18	507	$1.14	$104.04	$859.86	$0.62	$0.00	$411.06	$0.06	$5.48	$45.26
71-41-65	0.18	558	$1.14	$114.50	$974.36	$0.62	$62.27	$473.33	$0.06	$6.03	$51.28
71-41-65	0.18	591	$1.14	$121.27	$1,095.63	$0.62	$65.96	$539.29	$0.06	$6.38	$57.66
71-41-65	0.15	624	$1.14	$106.70	$1,202.34	$0.62	$58.03	$597.32	$0.06	$5.62	$63.28
71-41-65	0.33	657	$1.14	$247.16	$1,449.50	$0.62	$134.42	$731.74	$0.06	$13.01	$76.29
71-41-65	0.34	759	$1.14	$294.19	$1,743.69	$0.62	$160.00	$891.74	$0.06	$15.48	$91.77
71-41-65	0.04	861	$1.14	$39.26	$1,782.95	$0.62	$21.35	$913.09	$0.06	$2.07	$93.84
71-41	0.17	26	$1.14	$5.04	$1,787.99	$0.62	$2.74	$915.83	$0.06	$0.27	$94.10
71-41	0.08	111	$1.14	$10.12	$1,798.11	$0.62	$5.51	$921.34	$0.06	$0.53	$94.64
71-41	0.40	161	$1.14	$73.42	$1,871.53	$0.62	$39.93	$961.27	$0.06	$3.86	$98.50
71-41	0.45	290	$1.14	$148.77	$2,020.30	$0.62	$80.91	$1,042.18	$0.06	$7.83	$106.33
71-41	0.09	431	$1.14	$44.22	$2,064.52	$0.62	$24.05	$1,066.23	$0.06	$2.33	$108.66
71-41	0.05	1292	$1.14	$73.64	$2,138.16	$0.62	$40.05	$1,106.28	$0.06	$3.88	$112.53
71-41	0.20	1386	$1.14	$316.01	$2,454.17	$0.62	$171.86	$1,278.14	$0.06	$16.63	$129.17
71-41	0.22	1419	$1.14	$355.89	$2,810.05	$0.62	$193.55	$1,471.69	$0.06	$18.73	$147.90
71-41	3.14	1452	$1.14	$5,197.58	$8,007.63	$0.62	$2,826.75	$4,298.45	$0.06	$273.56	$421.45
71	5.50	1452	$1.14	$9,104.04	$17,111.67	$0.62	$4,951.32	$9,249.77	$0.06	$479.16	$900.61
			$1.14	$0.00	$17,111.67	$0.62	$0.00	$9,249.77	$0.06	$0.00	$900.61

Units	Total	Surface Replacement	Recurrent Maintenance	Deferred Maintanance
MBF	1,456	$11.75 Per MBF	$6.35 Per MBF	$0.62 Per MBF
CCF	3,961	$4.32 Per CCF	$2.34 Per CCF	$0.23 Per CCF
GT	13,822	$1.24 Per GT	$0.67 Per GT	$0.07 Per GT

Tahoe National Forest

Saddle NE Timber Sale

Road Maintenance Deposit Schedule (C5.32#)(B5.3)

Road Number	From	To	Miles	Rate/MBF
71	71-41 Road	SR 89	5.50	$0.74 Per Green Ton Deposited to
71-41	orth boundry on Unit 1	71 Road	4.80	Fund Code #FSRM03
71-41-65	End	71-41 Road	3.80	
71-41-65-10	Unit 76-2	71-41-65 Road	0.50	
71-41-65-50	Water hole	71-41-65 Road	0.10	
71-41-70	lorth boundry on Unit 3	71-41 Road	0.50	

Tahoe National Forest

Saddle NE Timber Sale

Surface Replacement Deposit Schedule (R5-C5.35#)

Road Number	From	To	Miles	Rate/MBF
71	71-41 Road	SR 89	5.50	$1.24 Per Green Ton Deposited to Fund Code # FSSR01
71-41	orth boundry on Unit 11	71 Road	4.80	
71-41-65	End	71-41 Road	3.80	
71-41-65-10	Unit 76-2	71-41-65 Road	0.50	
71-41-65-50	Water hole	71-41-65 Road	0.10	
71-41-70	lorth boundry on Unit 3	71-41 Road	0.50	

17-2400-25

Dust Abatement Plan (T-806) (C5-31#)(B5.3)

Timber Sale: Saddel NE Timber Sale

Road Segment	Material Type or Grade	Applicaation Initial	Rate Subsequent	Frequency of Subsequent Applications	Preparation Method	Wt. To Volume Conversion Factor
71	Water	N/A	N/A	3 Times Daily or as Needed to Abate Dust	T-803 as Needed	N/A
71-41						
71-41-65						
71-41-65-10						
71-41-65-50						
71-41-70						
71	Magnesium Chloride	0.30 Gallon Per Square Yard	0.30 Gallon Per Square Yard	Each 2000 MBF Hauled (or as needed to abate dust)	Method 1	191 Gallons Per Ton @ 60 Degrees F.

Road Maintenance Plan (C5.31#)(B5.3)

Timber Sale: Saddle NE Timber Sale

				Applicable Road Maintenance Specifications																											
				Prehaul										During							Posthaul										
Road Number	From	To	Miles	T 801	T 802	T 803	T 804	T 805	T 806	T 807	T 809	T 810	T 811	T 811	T 812	T 813	T 814	T 815	T 816	T 817	T 811	T 812	T 813	T 814	T 815	T 816	T 817	T 818	T 819	T 810	T 811
71	71-41 Road	SR 89	5.50			P		P		P						P		P	P	P			P		P		P				
71-41	th boundry on Unit	71 Road	4.80			P	P	P		P						P		P	P	P			P		P		P		P		
71-41-65	End	71-41 Road	3.80			P		P		P						P		P	P	P			P		P		P			P	
71-41-65-10	Unit 76-2	71-41-65 Road	0.50			P		P		P						P		P	P	P			P		P		P				
71-41-65-50	Water hole	71-41-65 Road	0.10			P		P		P						P		P	P	P			P		P		P				
71-41-70	th boundry on Uni	71-41 Road	0.50													P		P	P	P			P		P		P				

P = Maintenance work to be performed by the purchaser
S = Maintenance work where the costs will be shared with the Forest Service
Maximum volume of Purchasers responsibilitiy for slide and slump repair is N/A cubic yards (T-810)
Appraisal estimate for surfacing repair equals 0 cubic yards of aggregate. (T-804)

17-2400-18