Coding Instructions, Roadway Characteristics Revised 6/29/05

The study team leader will work with the recorder(s) to ensure consistency in the collection of data.

Mileposts will be by vehicle odometer and GPS Waypoints and logged to the nearest tenth of a mile (528 feet). If a specific point, such as a hazard, needs a closer measurement estimate, 264 feet or one hundredth of a mile, i.e., 3.25.

- Start the mile post log at the beginning of each individual road segment and record it as MP 0.0 and waypoint 1. Use your trip odometer if you have one, set to 0.0.

Coding

- Surface type
  - Native material — N
  - Processed aggregate — A
  - Cinders — C

- Travel-way width
  - Average usable width — Feet
  - Minimum width — Feet
  - Driveable escape shoulder width, or clear space — Feet

- Adjacent hillside slope–downhill
  - Using clinometer or abney determine average slope for sections — <40% or >60%

- Average Travel Speed
  - While driving the road to gather roadway characteristics, record your average travel speed for the section. — MPH

- Stopping Sight Distance* (measure 4 ½ feet above roadway)
  - Curve — Feet by Milepost

*Measured and recorded if less than the following stopping sight distances:

6/20/05 Notes for 30N16 (McGowan Lake)

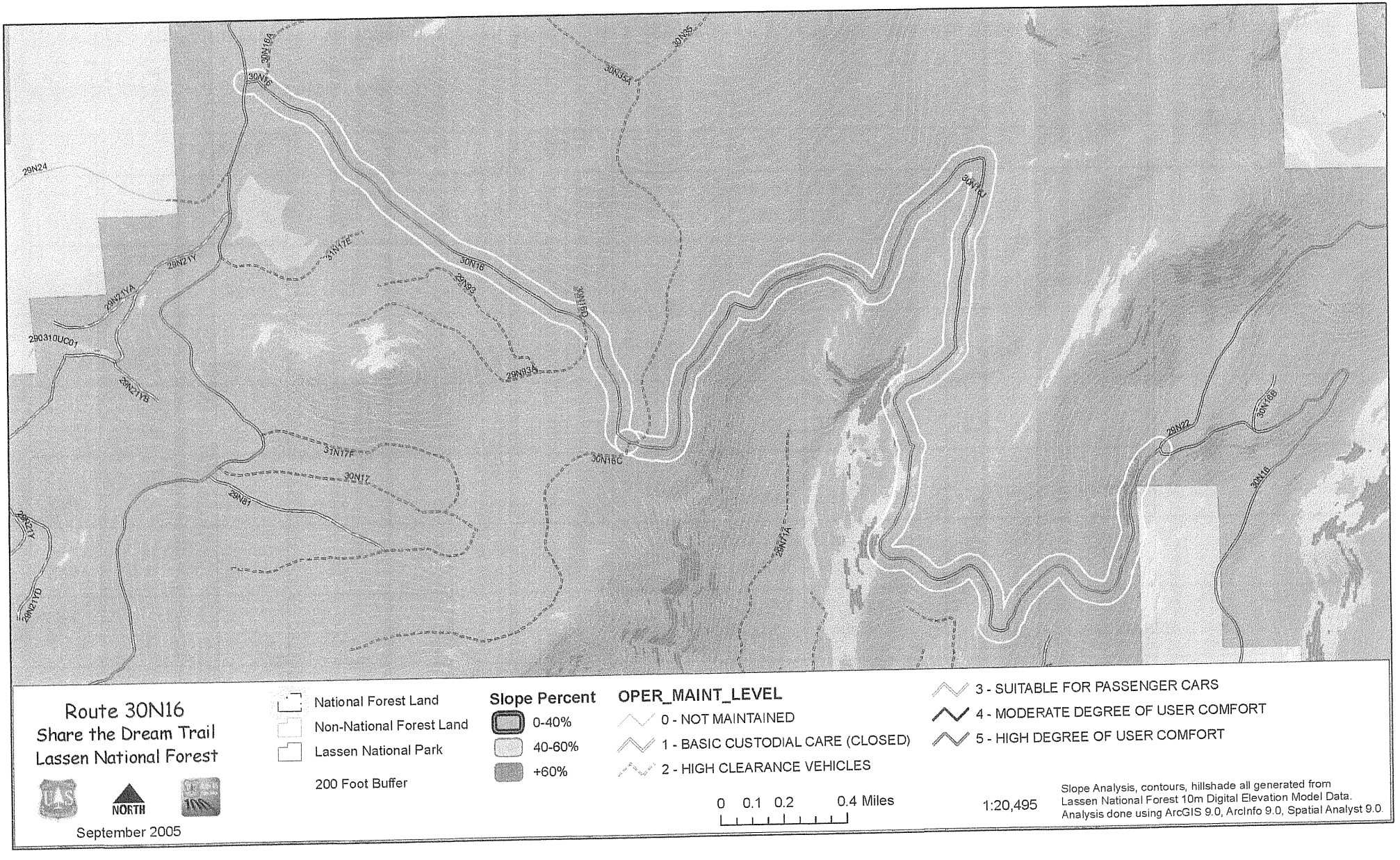
MP	WP	Surface	Average Width	Downhill* Slope %	Average Speed	Sight Distance	Lat/Lon	Comments, Hazard, Mitigation, Etc.
0.0	01	N	15	0 to10	15		N40°23.856, W121°37.211	Begin 30N16 at 17 Rd. Shoulders 2' each side,
0.59	02	N	15	0 to 10	15	100'	N40°23.517, W121°36.750	SDC
1.33	03	N	15	15	15		N40°23.154, W121°36.051	Panel each side tree OM1-IV (2), SDC
2.02	04	N	15	45	15		N40°22.829, W121°35.687	Slope
2.49	05	N	15	23	15		N40°23.175, W121°35.471	SDC
2.53	07	N	15		15		N40°23.156, W121°35.423	SDC
2.83	08	N	15		15		N40°23.265, W121°35.127	SDC
2.97	09	N	15		15	90'	N40°23.196, W121°34.998	SDC, W1-1 (R,L) W13-1 (10 MPH) (2)
3.56	10	N	15		15		N40°23.553, W121°34.589	SDC
3.72	11	N	15		15		N40°23.427, W121°34.595	RBE
4.18	12	N	15		15		N40°23.024, W121°34.686	SDC

6/20/05 notes for 30N16 continued

MP	WP	Surface	Average Width	Downhill Slope %	Average Speed	Sight Distance	Lat/Lon	Comments, Hazard, Mitigation, Etc.
4.61	13	N	15	46	15		N40°22.761, W121°34.859	SDC, Heart Lake Trailhead
4.98	14	N	15		15		N40°22.472, W121°34.978	SDC, W1-5 (east bound)
5.06	14	N	15		15		N40°22.460 W121°33.889	SDC
5.17	15	N	15		15	129	N40°22.391, W121°34.797	SC, No mitigation needed
5.42	16	N	15		15		N40°22.345, W121°34.587	SDC
5.52	17	N	15		15	100'	N40°22.264, W121°34.593	SDC
5.57	18	N	15		15		N40°22.242, W121°34.558	Count Station #1, W1-5 (west bound)
6.56	19	N	15	20 to 50	15		N40°22.727, W121°33.974	End 30N16, Start 29N22
		Overall	15	40%	15			

Widening exists on outside of nearly every curve.

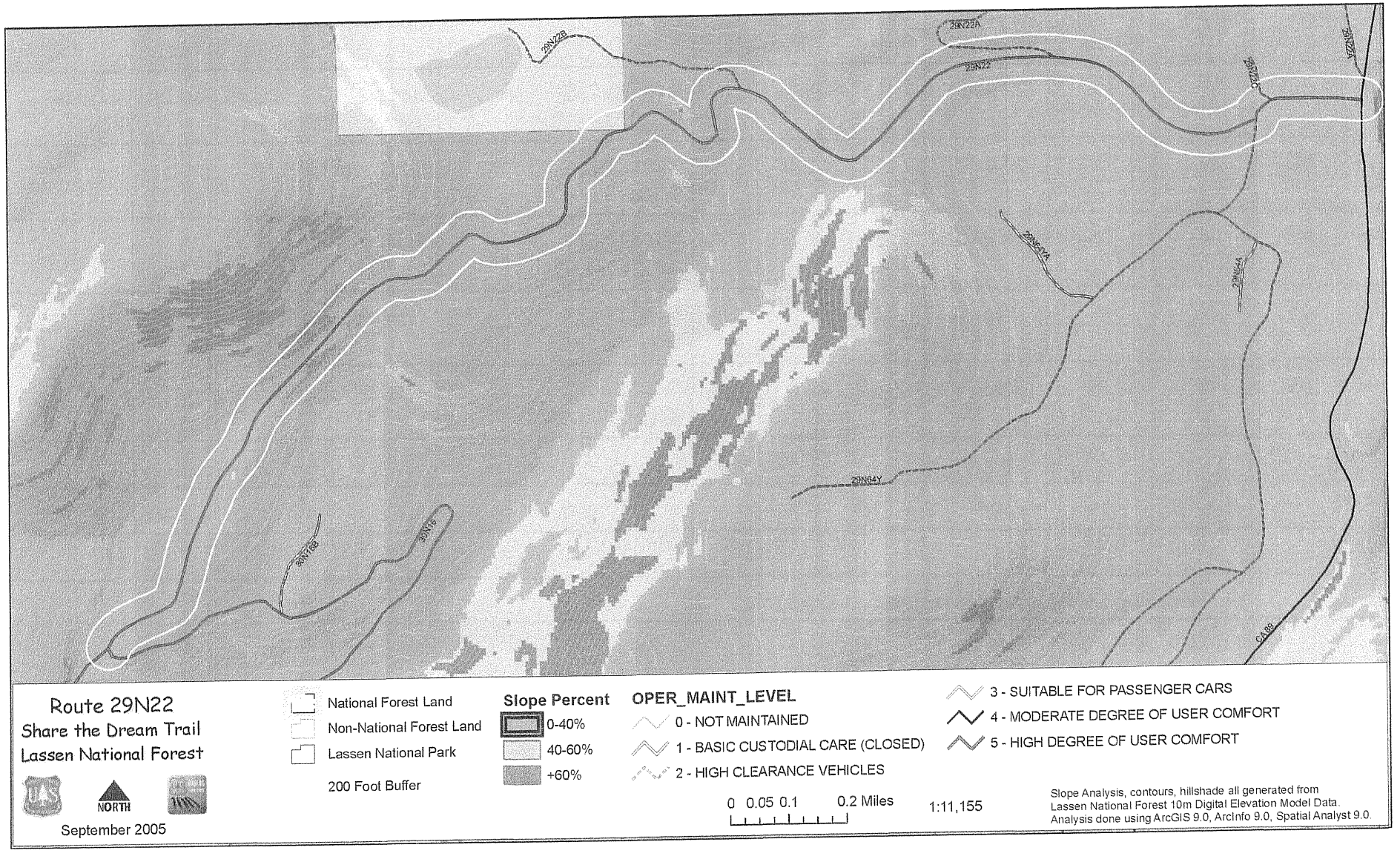
*Downhill Slope % shown on Notes obtained with an Abney. The following slope percent map generated from LNF Data. This process used on all roads studies.



30N16A
30N16
30N35
30N35A
29N24
29N21Y
29N21YA
290310UC01
29N21YB
31N17E
30N16
29N93
30N16D
29N93A
30N16J
31N17F
30N17
29N81
30N16C
29N71A
29N22
30N16B
30N16
29N21YD
Route 30N16
Share the Dream Trail
Lassen National Forest
NORTH
September 2005
National Forest Land
Non-National Forest Land
Lassen National Park
200 Foot Buffer
Slope Percent
0-40%
40-60%
+60%
OPER_MAINT_LEVEL
0 - NOT MAINTAINED
1 - BASIC CUSTODIAL CARE (CLOSED)
2 - HIGH CLEARANCE VEHICLES
3 - SUITABLE FOR PASSENGER CARS
4 - MODERATE DEGREE OF USER COMFORT
5 - HIGH DEGREE OF USER COMFORT
0 0.1 0.2 0.4 Miles
1:20,495
Slope Analysis, contours, hillshade all generated from
Lassen National Forest 10m Digital Elevation Model Data.
Analysis done using ArcGIS 9.0, ArcInfo 9.0, Spatial Analyst 9.0.

7/10/05 Notes, Road 29N22

MP	WP	Surface	Average Width	Downhill Slope %	Average Speed	Sight Distance	Lat/Lon	Comments, Hazard, Mitigation, Etc.
0.0	01	N	15	20 to 40	15		N40°22.726, W121°33.972	Begin 29N22, Has vertical maintenance level 2 route marker.
1.24	02	N	15	20 to 40	15		N40°23.404 W121°33.047	SDC over creek
2.46	03	N	15	20 to 40	15		N40°23.554 W121°31.981	SDC
2.76	04	N	15	0 to 10	15		N40°23.473 W121°31.697	Intersection 29N64
2.96	05	N	15	0 to 10	15		N40°23.498 W121°31.498	End 29N22 at SR 89. Stop sign exists.
		Overall	15	<40%	15			
		Widening exists on outside on nearly every curve						



Route 29N22
Share the Dream Trail
Lassen National Forest

NORTH

September 2005

National Forest Land
Non-National Forest Land
Lassen National Park

200 Foot Buffer

Slope Percent
0-40%
40-60%
+60%

OPER_MAINT_LEVEL
0 - NOT MAINTAINED
1 - BASIC CUSTODIAL CARE (CLOSED)
2 - HIGH CLEARANCE VEHICLES
3 - SUITABLE FOR PASSENGER CARS
4 - MODERATE DEGREE OF USER COMFORT
5 - HIGH DEGREE OF USER COMFORT

0 0.05 0.1 0.2 Miles

1:11,155

Slope Analysis, contours, hillshade all generated from Lassen National Forest 10m Digital Elevation Model Data.
Analysis done using ArcGIS 9.0, ArcInfo 9.0, Spatial Analyst 9.0.

7/10/05 Notes for 32N10 (10 Road)

MP	WP	Surface	Average Width	Downhill Slope %	Average Speed	Sight Distance	Lat/Lon	Comments, Hazard, Mitigation, Etc.
0.0	01	C	16'		20		N40°25.061 W121°10.191	Begin 32N10 (10 Road) at South end Count Station #3
0.98	02	C	16'		10		N40°25.795 W121°09.846	SC, W1-1 (L&R), W13-1 (10 MPH) (2)
1.46	03	C	16'	10 to 20	15	125	N40°25.589 W121°09.378	SC
1.79	04	C	14'		20		N40°25.775 W121°09.149	Road narrows, OM 2-IV (2)
2.69	05	C	16'	50	20		N40°26.271 W121°08.690	SDC
3.24	06	C	16'		20		N40°26.650 W121°08.601	Intersection 30N07
3.87	07	C	15'		20		N40°27.064 W121°08.397	Intersection 30N81
4.46	08	C	16'	30	20		N40°27.496 W121°08.184	SCMP, OM 2-IV (2)
4.56	09	C	16'	30	20		N40°27.494 W121°08.186	SCMP, OM 2-IV (2
6.38	10	C	16'		20		N40°28.829 W121°07.399	Intersection 32N21

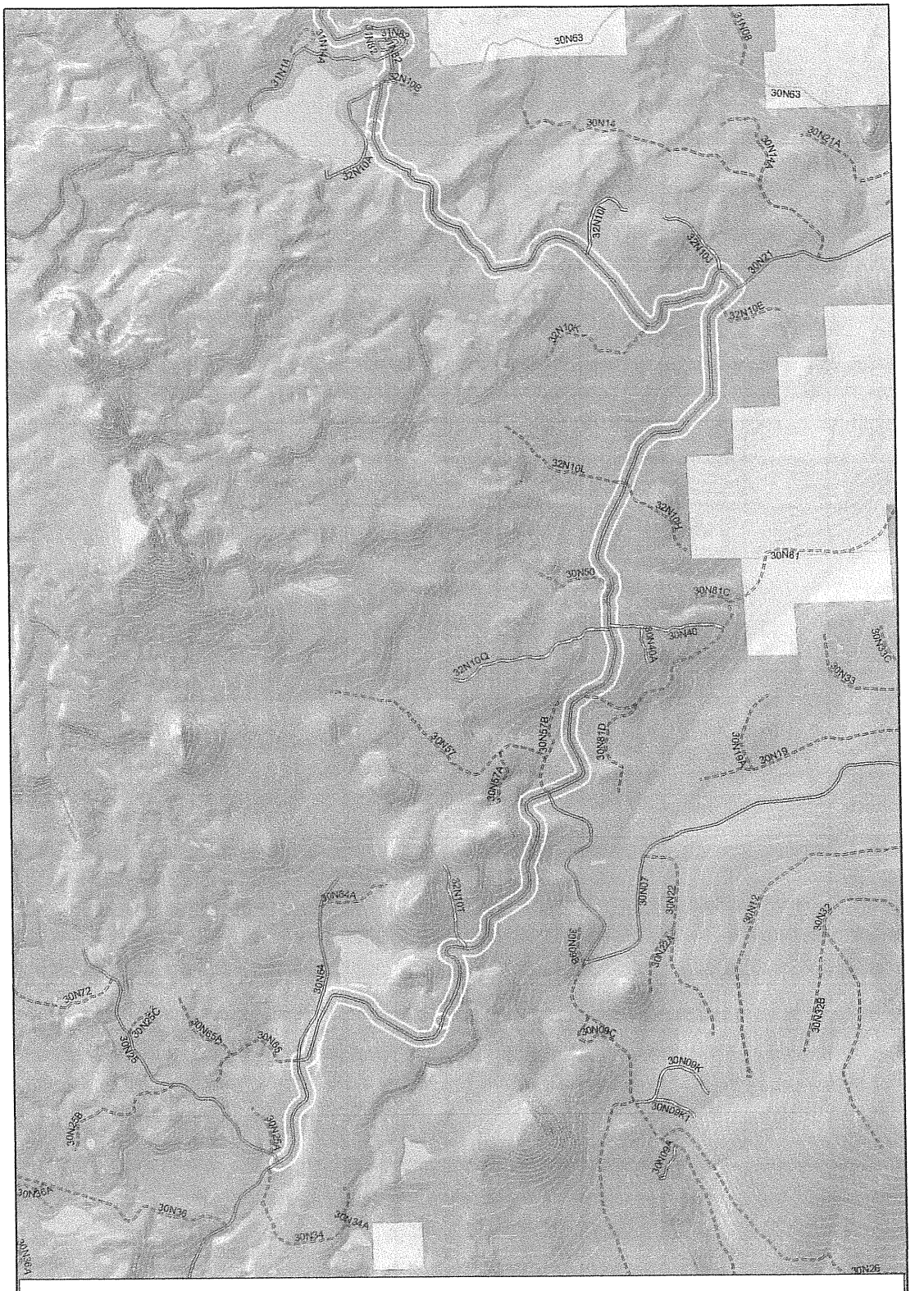
7/10/05 Notes for 32N10 (10 Road), continued

MP	WP	Surface	Average Width	Downhill Slope %	Average Speed	Sight Distance	Lat/Lon	Comments, Hazard, Mitigation, Etc.
7.96	11	C	16'		20		N40°28.974 W121°08.595	Snag, Drop! Pieces falling on road.
8.05	12	C	16'		20		N40°28.960 W121°08.663	Count Station #4
8.54	13	C	16'		20		N40°29.225 W121°09.131	SCMP OM2-IV (2)
8.66	14	C	16'		20		N40°29.326 W121°09.130	SDC
8.97	15	C	16'		20		N40°29.473 W121°09.412	SCMP, OM 2-IV (2)
9.34	16	C	16'		20		N40°29.788 W121°09.387	SC, Intersection East Shore Rd W1-1 (L&R), W13-1 (15 MPH) (2)
9.50	17	C	16'	0 to 10	15	100	N40°29.897 W121°09.333	Turn onto County Road, R1-1 Needed
9.60	18	C	16'	0 to 10	15		N40°29.942 W121°09.246	Turn onto FS Road 10, R1-1 Needed
10.0	19	C	16'		20		N40°29.982 W121°09.603	Intersection North Shore Rd W1-1 (L&R), W13-1 (15MPH)(2)
10.5	20	C	16'		20	100	N40°30.357 W121°09.733	RBE

7/17/05 Notes for 32N10 (10 Road), continued

MP	WP	Surface	Average Width	Downhill Slope %	Average Speed	Sight Distance	Lat/Lon	Comments, Hazard, Mitigation, Etc.
12.8	21	C	16'		20		N40°31.980 W121°09.571	SDC
13.0	22	C	16'		20		N40°32.102 W121°09.598	Count Station #5 Intersection 31N25
14.0	23	C	16'		20		N40°32.881 W121°09.925	Intersection 31N36
14.3	24	C	16		20		N40°33.073 W121°10.050	End of 32N10
		Overall	16'	<40%	20*			
		Widening exists on outside of nearly every curve						

*Measured at 17.5 MPH with GPS



Route 32N10
Share the Dream Trail
Lassen National Forest

NORTH

September 2005

0 0.25 0.5 Miles

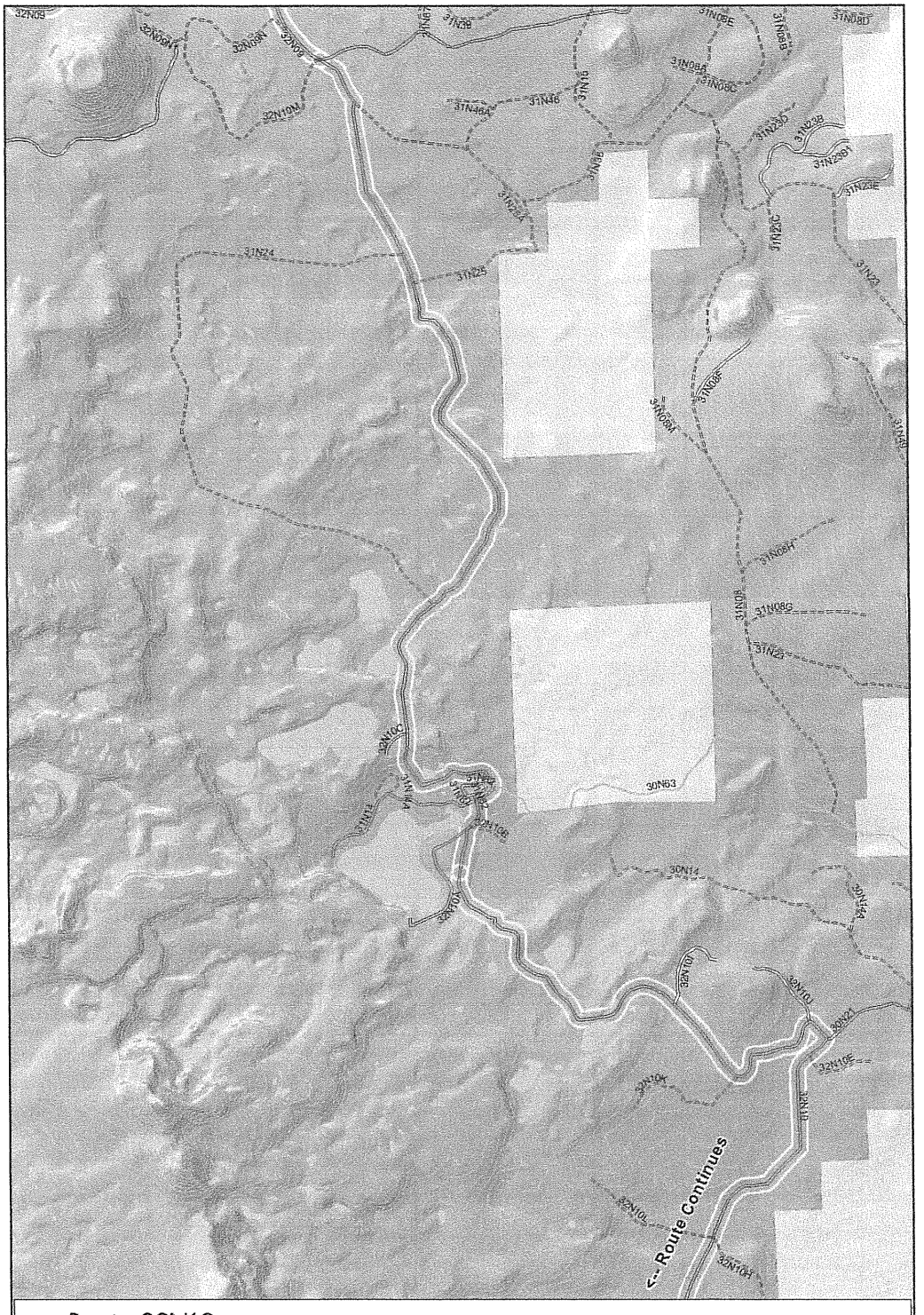
1:38,542

National Forest Land
Non-National Forest Land
Lassen National Park
200 Foot Buffer

Slope Percent
0-40%
40-60%
+60%

OPER_MAINT_LEVEL
0 - NOT MAINTAINED
1 - BASIC CUSTODIAL CARE (CLOSED)
2 - HIGH CLEARANCE VEHICLES
3 - SUITABLE FOR PASSENGER CARS
4 - MODERATE DEGREE OF USER COMFORT
5 - HIGH DEGREE OF USER COMFORT

Slope Analysis, contours, hillshade all generated from Lassen National Forest 10m Digital Elevation Model Data.
Analysis done using ArcGIS 9.0, ArcInfo 9.0, Spatial Analyst 9.0.



Route 32N10
Share the Dream Trail
Lassen National Forest

NORTH

September 2005

0 0.25 0.5 Miles

1:38,542

National Forest Land
Non-National Forest Land
Lassen National Park
200 Foot Buffer

Slope Percent
0-40%
40-60%
+60%

OPER_MAINT_LEVEL
0 - NOT MAINTAINED
1 - BASIC CUSTODIAL CARE (CLOSED)
2 - HIGH CLEARANCE VEHICLES
3 - SUITABLE FOR PASSENGER CARS
4 - MODERATE DEGREE OF USER COMFORT
5 - HIGH DEGREE OF USER COMFORT

Slope Analysis, contours, hillshade all generated from Lassen National Forest 10m Digital Elevation Model Data.
Analysis done using ArcGIS 9.0, ArcInfo 9.0, Spatial Analyst 9.0.

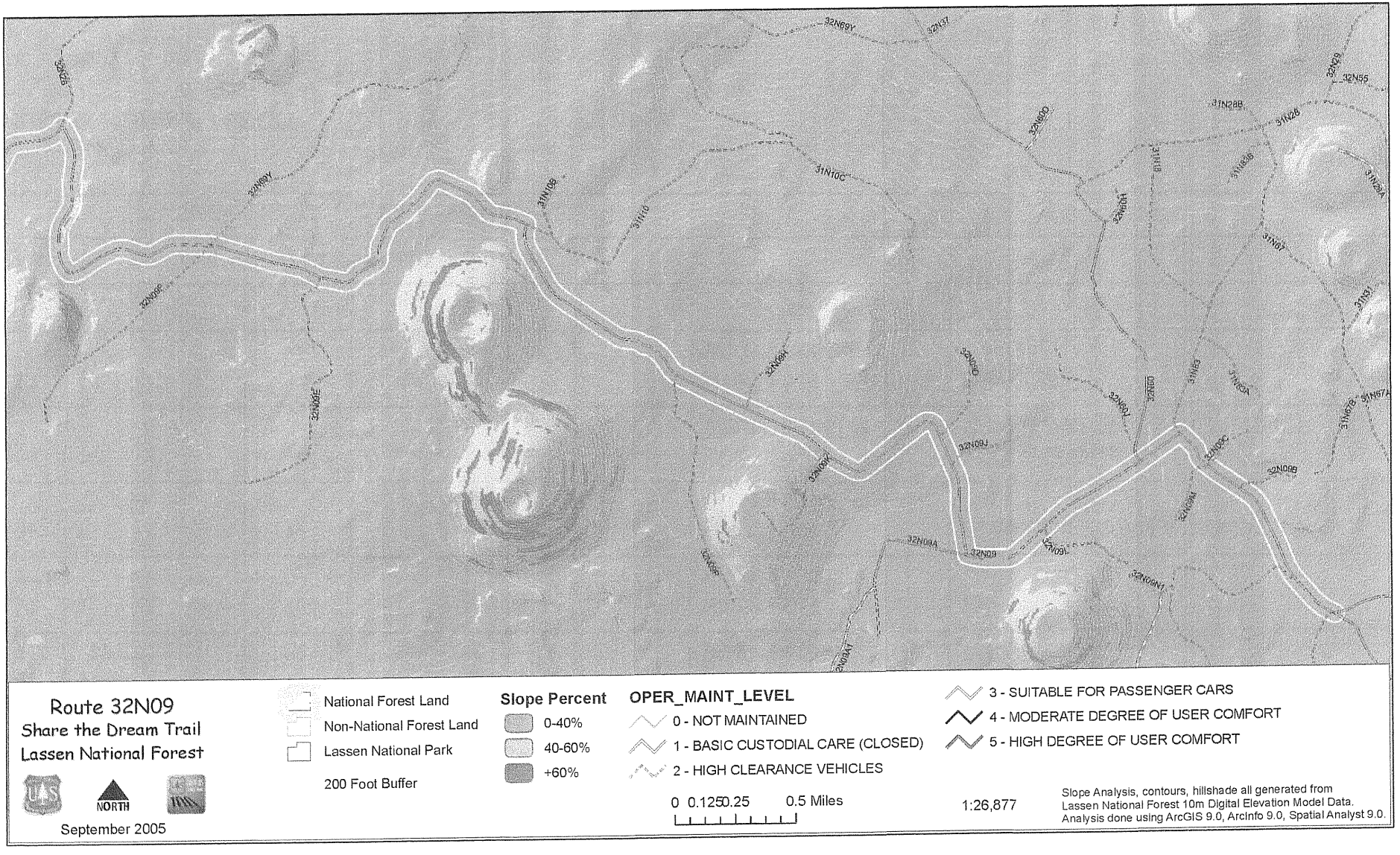
7/10/05 Notes for Road 32N09

MP	WP	Surface	Average Width	Downhill Slope %	Average Speed	Sight Distance	Lat/Lon	Comments, Hazard, Mitigation, Etc.
0.0	00	C	18		25		N40°33.085 W121°10.080	Begin 32N09
1.02	01	C	18		15		N40°33.764, W121°10.800	31N83 W1-1 (L&R), W13-1 (10 MPH) (2)
2.07	02	C	18		10		N40°33.349, W121°11.796	Intersection 32N09A W1-1 (L&R), W13-1 (10 MPH) (2)
2.57	03	C	15		15		N40°33.766 W121°11.912	Intersection 32N09D
2.64	04	C	14		15		N40°33.840 W121°11.962	SDC & start RBE
2.90	05	C	15		15		N40°33.728 W121°12.211	End RBE
3.01	06	C	15		15		N40°33.670 W121°12.314	SDC, RBE would be helpful
4.81	07	C	15		15		N40°34.582 W121°13.854	Intersection 31N10, RBE would be helpful
5.09	08	C	15		15		N40°34.714 W121°14.113	SDC
5.18	09	C	15		15		N40°34.744 W121°14.198	RBE

7/10/05 Notes for 32N09 Continued

MP	WP	Surface	Average Width	Downhill Slope %	Average Speed	Sight Distance	Lat/Lon	Comments, Hazard, Mitigation, Etc.
5.69	10	C	12		10		N40°34.470 W121°14.563	SC (in rock) W1-1 (L&R), W13-1 (10 MPH) (2)
6.05	11	C	12		15		N40°34.457 W121°14.918	RBE through narrow cut W5-1 (2)
6.39	12	C	14		15		N40°34.543 W121°15.281	RBE
6.46	13	C	14		15		N40°34.559 W121°15.362	Intersection 32N09F & 32N69Y
7.07	14	C	14		10		N40°34.480 W121°16.006	SDC, grade break W1-1 (L&R), W13-1 (10 MPH) (2)
7.73	15	C	14		15		N40°34.956 W121°16.006	End 32N09
		Overall	15	<40%	15*			
		Widening exists on outside of nearly every curve						

*Measured at 20 MPH with GPS


Route 32N09
Share the Dream Trail
Lassen National Forest
NORTH
September 2005
National Forest Land
Non-National Forest Land
Lassen National Park
200 Foot Buffer
Slope Percent
0-40%
40-60%
+60%
OPER_MAINT_LEVEL
0 - NOT MAINTAINED
1 - BASIC CUSTODIAL CARE (CLOSED)
2 - HIGH CLEARANCE VEHICLES
3 - SUITABLE FOR PASSENGER CARS
4 - MODERATE DEGREE OF USER COMFORT
5 - HIGH DEGREE OF USER COMFORT
0 0.1250.25 0.5 Miles
1:26,877
Slope Analysis, contours, hillshade all generated from
Lassen National Forest 10m Digital Elevation Model Data.
Analysis done using ArcGIS 9.0, ArcInfo 9.0, Spatial Analyst 9.0.

7/10/05 Notes Road 32N21

MP	WP	Surface	Average Width	Downhill Slope %	Average Speed	Sight Distance	Lat/Lon	Comments, Hazard, Mitigation, Etc.
0.0	01	Agg	24	0 to 10	18.7		N40°36.052 W121°17.942	Begin 32N21 (Butte Lake Rd) R1-1 2 foot shoulders
0.36	02	Agg	24	0 to 10	18.7		N40°36.352 W121°17.972	End 32N21, R1-1 Intersection 32N92Y
		Overall	24	<40%	20			
		Widening exists on outside of nearly every curve.						

7/10/05 Notes Road 32N12

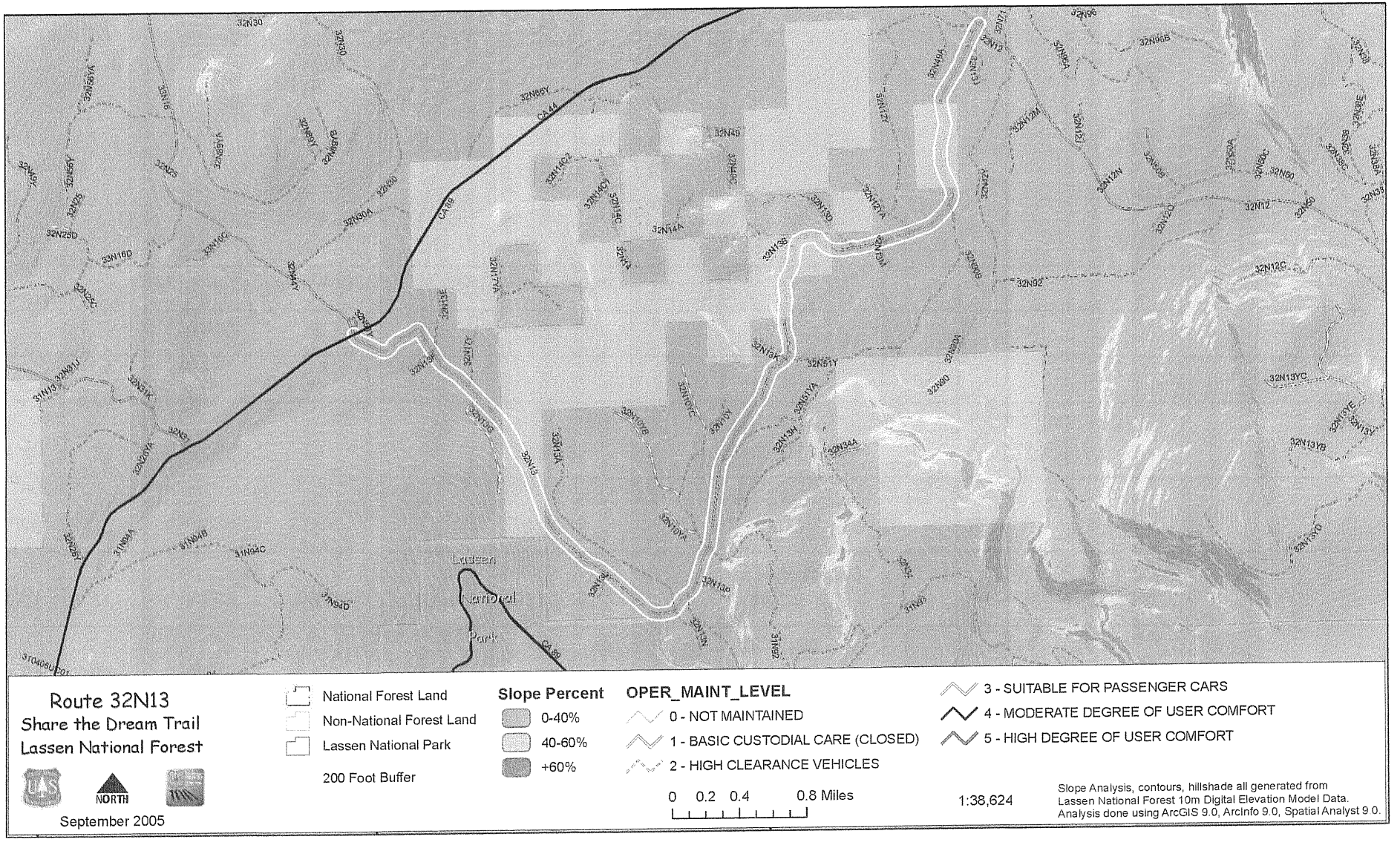
MP	WP	Surface	Average Width	Downhill Slope %	Average Speed	Sight Distance	Lat/Lon	Comments, Hazard, Mitigation, Etc.
0.0	01	C	14	0 to 10	10		N40°36.814 W121°28.025	Begin 32N12
0.06	02	C	12	0 to 10	5		N40°36.834 W121°28.060	Bridge, narrow, Object markers are in place W5-2 (2)
0.09	03	C	14	0 to 10	10	ok	N40°36.846 W121°28.091	SDC
0.24	04	C	14				N40°36.937 W121°28.193	End 32N12
		Overall	14	<40%	10			
		Widening exists on outside of nearly every curve.						

7/10/05 Notes Road 32N13

MP	WP	Surface	Average Width	Downhill Slope %	Average Speed	Sight Distance	Lat/Lon	Comments, Hazard, Mitigation, Etc.
0.0		C	16	0 to 5	15 to 20		N40°36.973 W121°28.193	Begin 32N13,Has vertical maintenance level 2 route marker at both ends
0.06		C	16		15 to 20		N40°36.890 W121°28.242	Cattle Guard, needs paddles, OM-3L (2) OM-3R (2)
0.08		C	16		15 to 20		N40°36.874 W121°28.251	Count Station 8, Shoulders 2'
0.09		C	16		15 to 20		N40°36.883, W121°28.245	Campground entrance
0.34		C	16	0 to 5	15 to 20		N40°36.836 W121°28.270	Campground entrance
0.66		C	16		15 to 20		N40°36.432 W121°28.446	Private Campground entrance
1.49		C	12	10 to 30	15 to 20		N40°35.863, W121°28.719	RBE
1.73		C	12	10 to 30	15 to 20		N40°35.811, W121°28.985	RBE
2.0		C	16	<40	15 to 20		N40°35.820 W121°29.283	SDC
2.17		C	16	40	15 to 20	160'	N40°35.850 W121°29.447	SDC

7/10/05 Notes for 32N13 continued

MP	WP	Surface	Average Width	Downhill Slope %	Average Speed	Sight Distance	Lat/Lon	Comments, Hazard, Mitigation, Etc.
2.48		C	16	10 to 20	15 to 20		N40°35.608 W121°29.566	SDC
2.9		C	16		15 to 20		N40°35.251 W121°29.529	SDC
4.12		C	16		15 to 20		N40°34.305 W121°30.101	RBE
4.47		C	16		15 to 20		N40°34.045 W121°30.231	SDC
450		C	16		15 to 20		N40°34.020 W121°30.254	Intersection 32N75Y
4.67		C	18		20 to 25		N40°33.935, W121°30.398	Count Station #9
5.93		C	18		20		N40°34.708 W121°31.321	SDC
7.49		C	18		20		N40°35.409 W121°32.485	End 32N13 at SR 44/89, R1-1 exists
		Overall	16	<40%	20			
		Widening exists on outside of nearly every curve.						


Route 32N13
Share the Dream Trail
Lassen National Forest
NORTH
September 2005
National Forest Land
Non-National Forest Land
Lassen National Park
200 Foot Buffer
Slope Percent
0-40%
40-60%
+60%
OPER_MAINT_LEVEL
0 - NOT MAINTAINED
1 - BASIC CUSTODIAL CARE (CLOSED)
2 - HIGH CLEARANCE VEHICLES
3 - SUITABLE FOR PASSENGER CARS
4 - MODERATE DEGREE OF USER COMFORT
5 - HIGH DEGREE OF USER COMFORT
0 0.2 0.4 0.8 Miles
1:38,624
Slope Analysis, contours, hillshade all generated from
Lassen National Forest 10m Digital Elevation Model Data.
Analysis done using ArcGIS 9.0, ArcInfo 9.0, Spatial Analyst 9.0.

7/10/05 Notes for 33N16 (16 Road)

MP	WP	Surface	Average Width	Downhill Slope %	Average Speed	Sight Distance	Lat/Lon	Comments, Hazard, Mitigation, Etc.
0.0	19	Cinders	18	0 to 10	20-25		N40°35.406 W121°32.488	Begin 32N16 (16 Road) at SR 44/89 Stop Sign in place
0.52	20	Cinders	18		20-25		N40°35.734 W121°32.923	Intersection 32N30
1.61	21	Cinders	18		20 to 25		N40°36.327 W121°33.737	Intersection 32N25
2.60	22	Cinders	18		20 to 25		N40°37.189 W121°33.874	SDC
3.40	23	Cinders	18		20 to 25		N40°37.549 W121°34.501	End of 33N16, Count Station 10
		Overall	18	<40%	23			
		Widening exists on outside of nearly every curve.						

7/10/05 Notes for 32N24

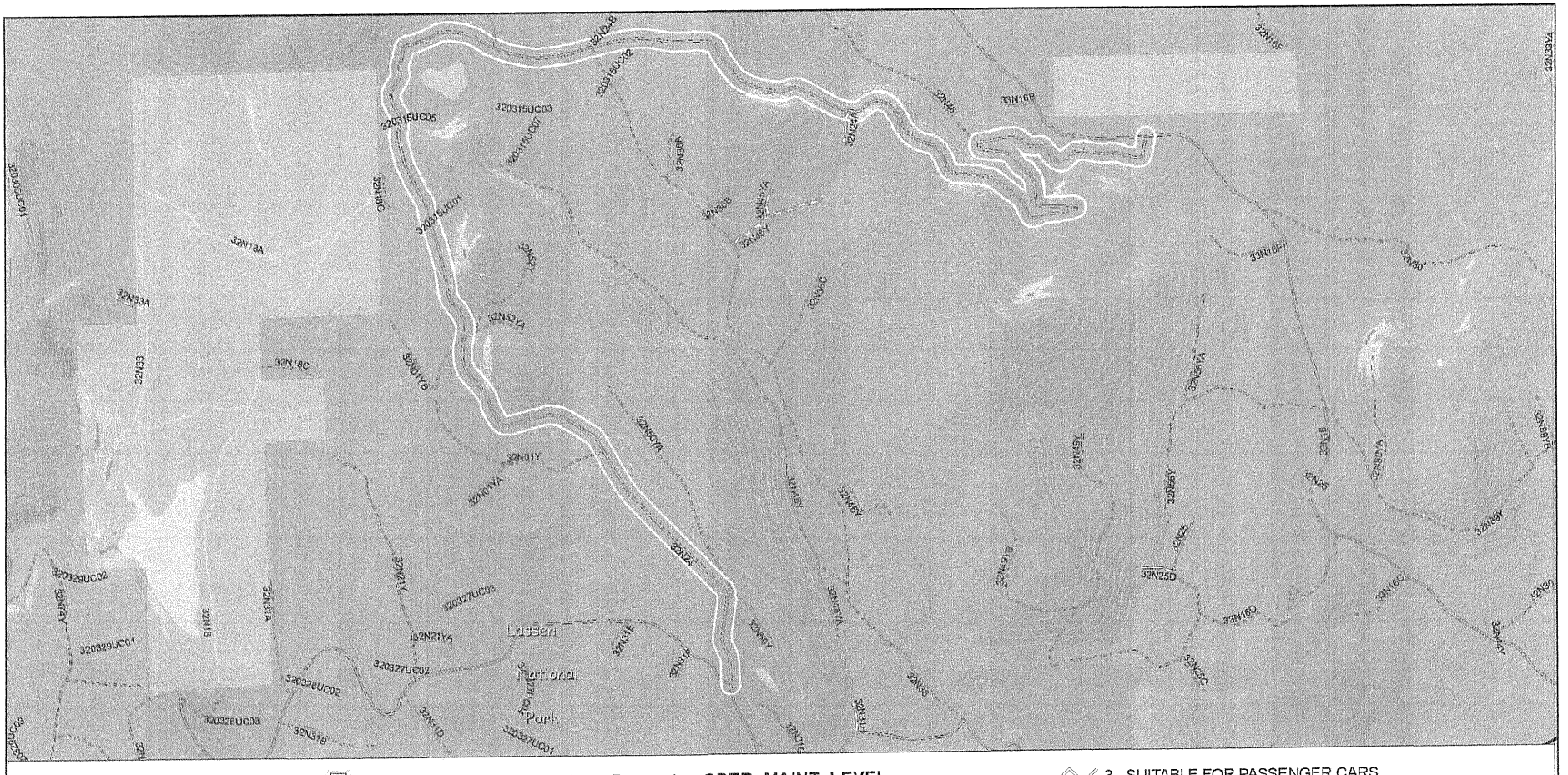
MP	WP	Surface	Average Width	Downhill Slope %	Average Speed	Sight Distance	Lat/Lon	Comments, Hazard, Mitigation, Etc.
0.0	23	Cinders	14	0 to 10	20		N40°37.549 W121°34.501	Begin 32N24 at 16 Road
0.1	24	Cinders	14	10 to 20	12 to 15		N40°37.475 W121°34.534	Begin steeper slope
0.3	24A	C		30	12 to 15		N40°37.482 W121°34.755	
0.4	25	Cinders	14	30	12 to 15		N40°37.466 W121°34.889	SDC
0.5	25A	C		10 to 20	12 to 15		N40°37.494 W121°34.967	Slope lessens
0.6	26	Cinders	14	10 to 20	12 to 15		N40°37.525 W121°35.043	SDC
0.8	27	Cinders	14	10 to 20	12 to 15		N40°37.545 W121°35.273	Intersection 32N46, SDC
0.9	27A	C		30	12 to 15		N40°37.499 W121°35.203	
1.0	27B	C			15 to 18		N40°37.457 W121°35.098	
1.1	28	Cinders	14	35	15 to 18		N40°37.363 W121°35.008	

7/10/05 Notes for 32N24 Continued

MP	WP	Surface	Average Width	Downhill Slope %	Average Speed	Sight Distance	Lat/Lon	Comments, Hazard, Mitigation, Etc.
1.2	29	Cinders	14		15 to 18		N40°37.310 W121°35.003	SDC
1.4	30	Cinders	14				N40°37.293 W121°34.781	SC, W1-1 (L&R),W13-1 (5 MPH) (2)
1.8	30A	Cinders	14		15 to 20		N40°37.281 W121°34.934	
1.9	30B	Cinders	14	40 to 50	15 to 20		N40°37.273 W121°34.973	Begin steeper slope
2.1	30C	Cinders	14	30 to 40	15 to 20		N40°37.350 W121°35.154	Shoulder 2 feet
3.3	30D	Cinders	14	10 to 20	15 to 20		N40°37.732 W121°36.080	Slope lessens
3.6	31	Cinders	14		20 to 25		N40°37.922 W121°37.015	Cattle Guard, Intersection 32N36 OM-3L (2), OM-3R (2)
4.6	31A	Cinders	14		20 to 25		N40°37.927 W121°37.945	SDC
4.8	31B	Cinders	14		15 to 20		N40°37.760 W121°38.006	
5.0	31C	Cinders	14		20 to 25		N40°37.588 W121°37.970	

7/10/05 Notes for 32N24 continued

MP	WP	Surface	Average Width	Downhill Slope %	Average Speed	Sight Distance	Lat/Lon	Comments, Hazard, Mitigation, Etc.
6.1	31D	Cinders	14	0 to 10	20 to 25		N40°36.705 W121°37.601	
7.0	32	Cinders	14		20 to 25		N40°36.286 W121°36.888	SCMP, OM2-IV (2)
7.2	32A	Cinders	16'		20 to 25		N40°36.149 W121°36.735	Shoulder 2 feet
7.5	33	Cinders	16		20 to 25		N40°35.976 W121°36.488	SDC
7.9	34	Cinders	16		20 to 25		N40°35.636 W121°36.473	End of 32N24
		Overall	14	<40%	18			
		Widening exists on outside on nearly every curve.						



Route 32N24
Share the Dream Trail
Lassen National Forest

NORTH

September 2005

National Forest Land
Non-National Forest Land
Lassen National Park

200 Foot Buffer

Slope Percent

0-40%
40-60%
+60%

OPER_MAINT_LEVEL

0 - NOT MAINTAINED
1 - BASIC CUSTODIAL CARE (CLOSED)
2 - HIGH CLEARANCE VEHICLES
3 - SUITABLE FOR PASSENGER CARS
4 - MODERATE DEGREE OF USER COMFORT
5 - HIGH DEGREE OF USER COMFORT

0 0.15 0.3 0.6 Miles

1:29,717

Slope Analysis, contours, hillshade all generated from Lassen National Forest 10m Digital Elevation Model Data. Analysis done using ArcGIS 9.0, ArcInfo 9.0, Spatial Analyst 9.0.

7/10/05 Notes for 32N31

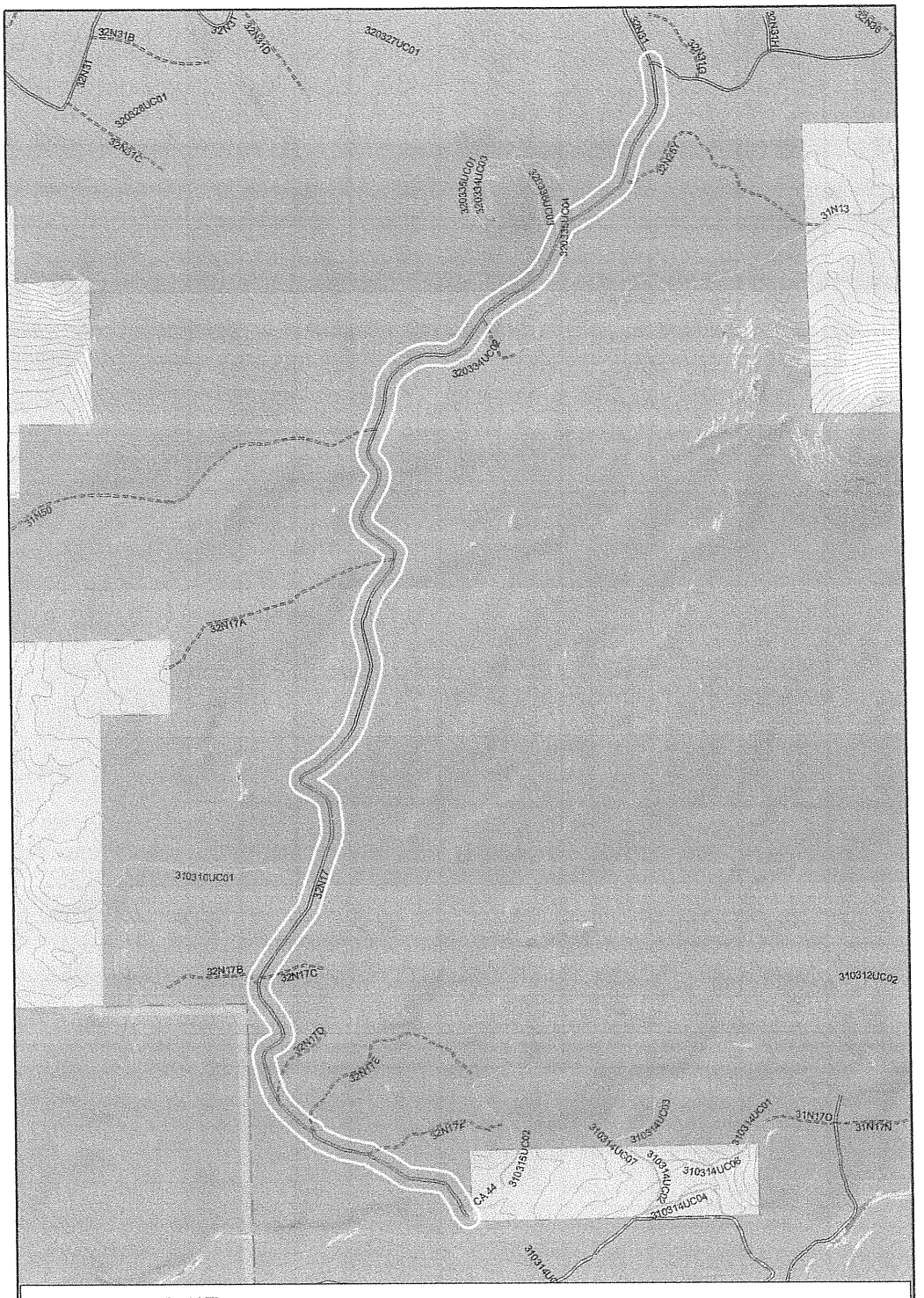
MP	WP	Surface	Average Width	Downhill Slope %	Average Speed	Sight Distance	Lat/Lon	Comments, Hazard, Mitigation, Etc.
0.0	34	Agg	18	10 to 20	25		N40°35.636 W121°36.473	Begin 32N31
0.3	35	Agg	18	10 to 20	25		N40°35.423 W121°36.358	End 32N31
		Overall	18	<40%	25			

7/10/05 Notes for 32N17

MP	WP	Surface	Average Width	Downhill Slope %	Average Speed	Sight Distance	Lat/Lon	Comments, Hazard, Mitigation, Etc.
0.0	35	Cinders	16	0 to 10	10 to020		N40°35.423 W121°36.358	Begin 32N17
0.03	36	Cinders	16		14		N40°35.397 W121°36.351	Station 11
0.65	37	Cinders	16				N40°34.944 W121°36.734	SDC
0.75	37A	C		10 to 20	20 to 25		N40°34.861 W121°36.787	
1.4	37B	C	14 feet	0			N40°34.562 W121°37.325	14 feet for short distance
1.77	37C						N40°34.284 W121°37.535	W1-5, W13-1 (15 MPH) Southbound
1.85	38	Cinders	16		10 to 20		N40°34.211 W121°37.485	Shoulder 8 feet, SDC
2.25	38A		16		15		N40°33.917 W121°37.461	Grade, roughness, W1-5, W13-1 (15MPH) Northbound
3.01	39	Cinders	16		20 to25		N40°33.341 W121°37.754	SDC

7/10/05 Notes for 32N17 Continued

MP	WP	Surface	Average Width	Downhill Slope %	Average Speed	Sight Distance	Lat/Lon	Comments, Hazard, Mitigation, Etc.
3.10	40	Cinders	10		20 to25		N40°33.292 W121°37.834	SC W1-1 (L&R(, W13-1 (10 MPH) (2)
3.5	40A	C	16	flat	20 to 25		N40°32.993 W121°37.774	Shoulders 8 feet
3.93	41	Cinders	16		20 to25		N40°32.672 W121°38.025	SCMP, OM2-IV (2)
4.33	42	Agg	16	10 to 20	20 to 25		N40°32.372 W121°37.970	Rough surface slows speed for short distance. Then returns to 20 to 25MPH. Shoulders 6 feet
5.21		Agg	16	0	20 to25		N40°31.973 W121°37.231	End of 32N17 at SR 44, R1-1 exists
		Overall	16	<40	20			
		Widening exists on outside of nearly every curve.						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7/10/05 Notes for 31N17 (17 Road)

MP	WP	Surface	Average Width	Downhill Slope %	Average Speed	Sight Distance	Lat/Lon	Comments, Hazard, Mitigation, Etc.
0.0	44	Agg	10		10		N40°32.329 W121°35.805	Begin 17 Road at SR 44, 10 ft. through cut speed 10 MPH, R1-1 (existing)
0.1	45	Agg	18	0	25 to 30		N40°32.225 W121°35.761	W5-1 W13-1 (10 MPH), (Northbound)
0.4	46	Agg	18		15		N40°31.993 W121°35.690	SC, W1-1 (L&R), W13-1 (15 MPH) (2)
0.5	46A	Agg	18	35	25 to 30		N40°31.882 W121°35.797	SDC
0.9	47	Agg	18		25 to 30		N40°31.721 W121°36.030	SC W1-1 (L&R), W13-1 (15 MPH) (2)
1.0	47A	Agg	18	0	25 to 30		N40°31.744 W121°36.151	
1.5	47B	Agg	18	30	25 to 30		N40°31.692 W121°36.717	
1.6	47C	Agg	18	0	25 to 30		N40°31.605 W121°36.763	
1.7	47D	Agg	18	0 to 10	25 to 30		N40°31.423 W121°36.826	
2.5	47E	Agg	18	30	25 to 30		N40°30.923 W121°37.045	

7/10/05 Notes for 31N17 (17 Road), Continued

MP	WP	Surface	Average Width	Downhill Slope %	Average Speed	Sight Distance	Lat/Lon	Comments, Hazard, Mitigation, Etc.
2.7	47F	Agg	18	50	25 to 30		N40°30.793 W121°37.197	
2.8	48	Agg	18	0 to 20	15		N40°30.718 W121°37.250	SC
4.0	49	Agg	18		25 to 30		N40°30.056 W121°37.235	SDC, SC
4.5	49A	Agg	18	40 to 45	25 to 30		N40°29.848 W121°37.661	
4.6	49B	Agg	18	10 to 20	25 to 30		N40°29.762 W121°37.603	
4.8	50	Agg	18		15		N40°29.624 W121°37.564	SDC (Tanker fill at Bailey Creek), W1-1 (R) W13-1 (15 MPH) (Southbound)
4.9	51	Agg	18		20		N40°29.574 W121° 37.661	SDC, W1-1 (L),W13-1 (15 MPH) (Northbound)
5.1	52	Agg	18		20		N40°26.675 W121°37.875	Intersection Brokeoff Mdws. Road (Shasta County Road 3P001) R1-1 Needed
5.4	53	Agg	18		25 to 30		N40°29.630 W121°38.040	Intersection Shasta County Rd 3P001 to Viola, Continue on 17 Rd., R1-1 Needed
5.8	53A	Agg	18	0 to 10	25 to 30		N40°29.332 W121°38.021	

7/10/05 Notes for 31N17 (17 Road), Continued

MP	WP	Surface	Average Width	Downhill Slope %	Average Speed	Sight Distance	Lat/Lon	Comments, Hazard, Mitigation, Etc.
6.9	54	Agg	18		25 to 30		N40°28.478 W121°37.762	SDC
7.1	55	Agg	18		25 to 30		N40°28.324 W121°37.775	Intersection 31N17B
7.5	56	Agg	18		25 to 30		N40°28.071 W121°37.716	SDC
7.6A	57	Agg	18		25 to 30		N40°27.978 W121°37.724	SDC, Slope at culvert is 60% over fill
7.6B	58	Agg	15		25 to 30		N40°27.951 W121°37.774	15 ft width just past culvert. Lots of it has shoulders 2 feet
8.3	59	Agg	18		25 to 30		N40°27.579 W121°37.832	SDC, over culvert
8.4	60	Agg	18		25 to 30		N40°27.513 W121°37.825	SDC over stream
8.5	61	Agg	18		25 to 30		N40°27.449 W121°37.910	SDC over stream
8.8	62	Agg	18		25 to 30		N40°27.281 W121°38.137	SDC
8.9	63	Agg	18		25 to 30		N40°27.218 W121°38.045	SDC

7/10/05 Notes for 31N17 (17 Road), Continued

MP	WP	Surface	Average Width	Downhill Slope %	Average Speed	Sight Distance	Lat/Lon	Comments, Hazard, Mitigation, Etc.
9.4	63A	Agg	18	50	25 to 30		N40°26.989 W121°38.245	
9.5	64	Agg	18		25 to 30		N40°26.852 W121°38.232	SDC over culvert
9.7	64A	Agg	18	30	25 to 30		N40°26.689 W121°38.165	
9.8	65	Agg	18		25 to 30		N40°26.657 W121°38.156	SDC
9.9	65A	Agg	14		25 to 30		N40°26.584 W121°38.236	width 14 feet
10.0	66	Agg	14		25 to 30		N40°26.466 W121°38.305	SDC
10.3	67	Agg	14		15		N40°26.368 W121°38.598	SDC, W1-1 (L,R), W13-1 (15 MPH) (2)
10.5	67A	Agg	14	40	25 to 30		N40°26.285 W121°38.396	
10.7	67B	Agg	14	30	25 to 30		N40°26.280 W121°38.163	
10.9	68	Agg	14		15		N40°26.282 W121°37.963	SDC over culvert, W1-1 (L,R) W13-1 (15 MPH) (2)

7/10/05 Notes for 31N17 (17 Road), Continued

MP	WP	Surface	Average Width	Downhill Slope %	Average Speed	Sight Distance	Lat/Lon	Comments, Hazard, Mitigation, Etc.
11.0	69	Agg	14		15		N40°26.233 W121°37.979	SDC
11.1	70	Agg	14	50 to 60	15		N40°26.211 W121°37.998	RBE
11.6	70A	Agg	14		25 to 30		N40°25.979 W121°38.278	
11.9	70B	Agg	14	40 to 50	25 to 30		N40°250816 W121°32.923	
12.1A	71	Agg	14	40 to 50	15		N40°25.723 W121°37.843	Count station #12, 10 feet wide through cut
12.1B	72	Agg	14	40 to 50	15		N40°25.681 W121°37.800	SDC over SF Digger Creek
12.2	73	Agg	14	40 to 50	15		N40°25.645 W121°37.857	SDC, Slope still steep, W1-1 (L,R), W13-1 (15 MPH) (2)
12.3	74	Agg	12	50	20		N40°25.665 W121°38.033	Needs sign, narrow roadway for 300 feet with 50% slope, W5-1, W16-4 (300) (2) (Both Directions)
12.6	74A	Agg	14	0 to 10	25 to 30		N40°25.549 W121°38.188	
13.0	74B	Agg	14		25 to 30		N40°25.410 W121°37.784	2 foot shoulders
14.6	75	Agg	14		25 to 30		N40°24.411 W121°37.119	SCMP and SDC, OM2-IV (2)

7/10/05 Notes for 31N17 (17 Road), Continued

15.3	76	Agg	14		25 to 30		N40°23.885 W121°37.217	End of 17 Road, end of loop back to beginning at 0.0 on 30N16
		Overall	16	<40%	23			
		Widening exists on outside of nearly every curve.						

Route 31N17
Share the Dream Trail
Lassen National Forest

NORTH

September 2005

0 0.2 0.4 Miles

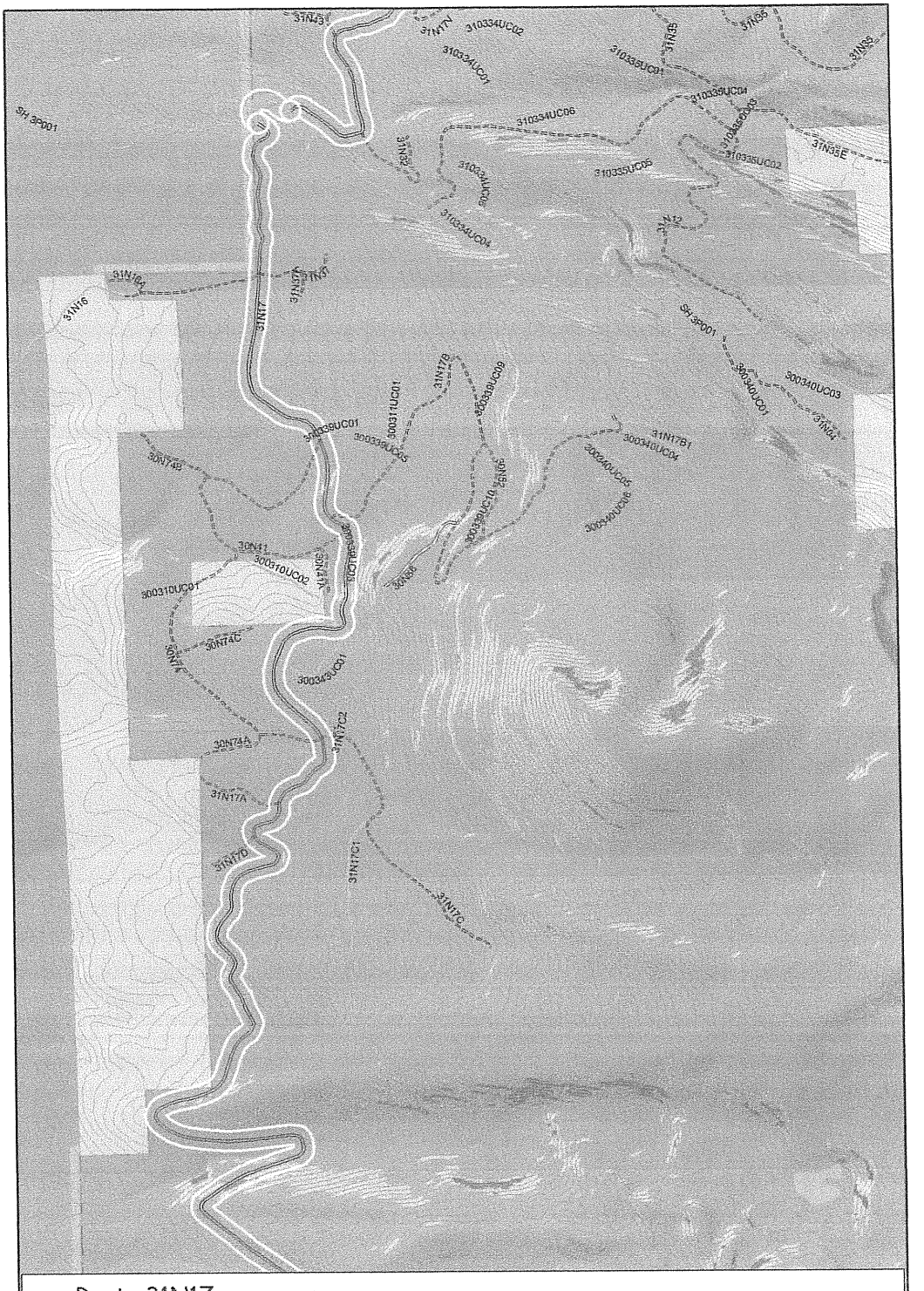
1:28,773

National Forest Land
Non-National Forest Land
Lassen National Park
200 Foot Buffer

Slope Percent
0-40%
40-60%
+60%

OPER_MAINT_LEVEL
0 - NOT MAINTAINED
1 - BASIC CUSTODIAL CARE (CLOSED)
2 - HIGH CLEARANCE VEHICLES
3 - SUITABLE FOR PASSENGER CARS
4 - MODERATE DEGREE OF USER COMFORT
5 - HIGH DEGREE OF USER COMFORT

Slope Analysis, contours, hillshade all generated from Lassen National Forest 10m Digital Elevation Model Data.
Analysis done using ArcGIS 9.0, ArcInfo 9.0, Spatial Analyst 9.0.



Route 31N17
Share the Dream Trail
Lassen National Forest

NORTH

September 2005

0 0.2 0.4 Miles

1:28,773

National Forest Land
Non-National Forest Land
Lassen National Park
200 Foot Buffer

Slope Percent
0-40%
40-60%
+60%

OPER_MAINT_LEVEL
0 - NOT MAINTAINED
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