

Table 5.6 Statistical Analysis of the Various Treatments based on PCI_{FLT}.

At Year -1							
Treatments	NF-1.5	NF-2	NF-2.5	F-2	F-2s	P-2	P-2s
NF-1.5		L	L	H	H	NS	NS
NF-2			NS	H	H	H	NS
NF-2.5				H	L	H	NS
F-2					L	NS	L
F-2s						H	H
P-2							NS
At Year +1							
Treatments	NF-1.5	NF-2	NF-2.5	F-2	F-2s	P-2	P-2s
NF-1.5		NS	L	L	L	L	L
NF-2			NS	L	NS	L	NS
NF-2.5				NS	NS	NS	NS
F-2					NS	NS	NS
F-2s						NS	NS
P-2							NS
At Year +3							
Treatments	NF-1.5	NF-2	NF-2.5	F-2	F-2s	P-2	P-2s
NF-1.5		L	L	L	L	L	L
NF-2			L	L	L	L	L
NF-2.5				NS	NS	NS	NS
F-2					H	NS	NS
F-2s						NS	L
P-2							NS
At Year +5							
Treatments	NF-1.5	NF-2	NF-2.5	F-2	F-2s	P-2	P-2s
NF-1.5		L	L	L	L	L	L
NF-2			L	L	L	L	L
NF-2.5				L	NS	NS	L
F-2					H	H	NS
F-2s						NS	L
P-2							L

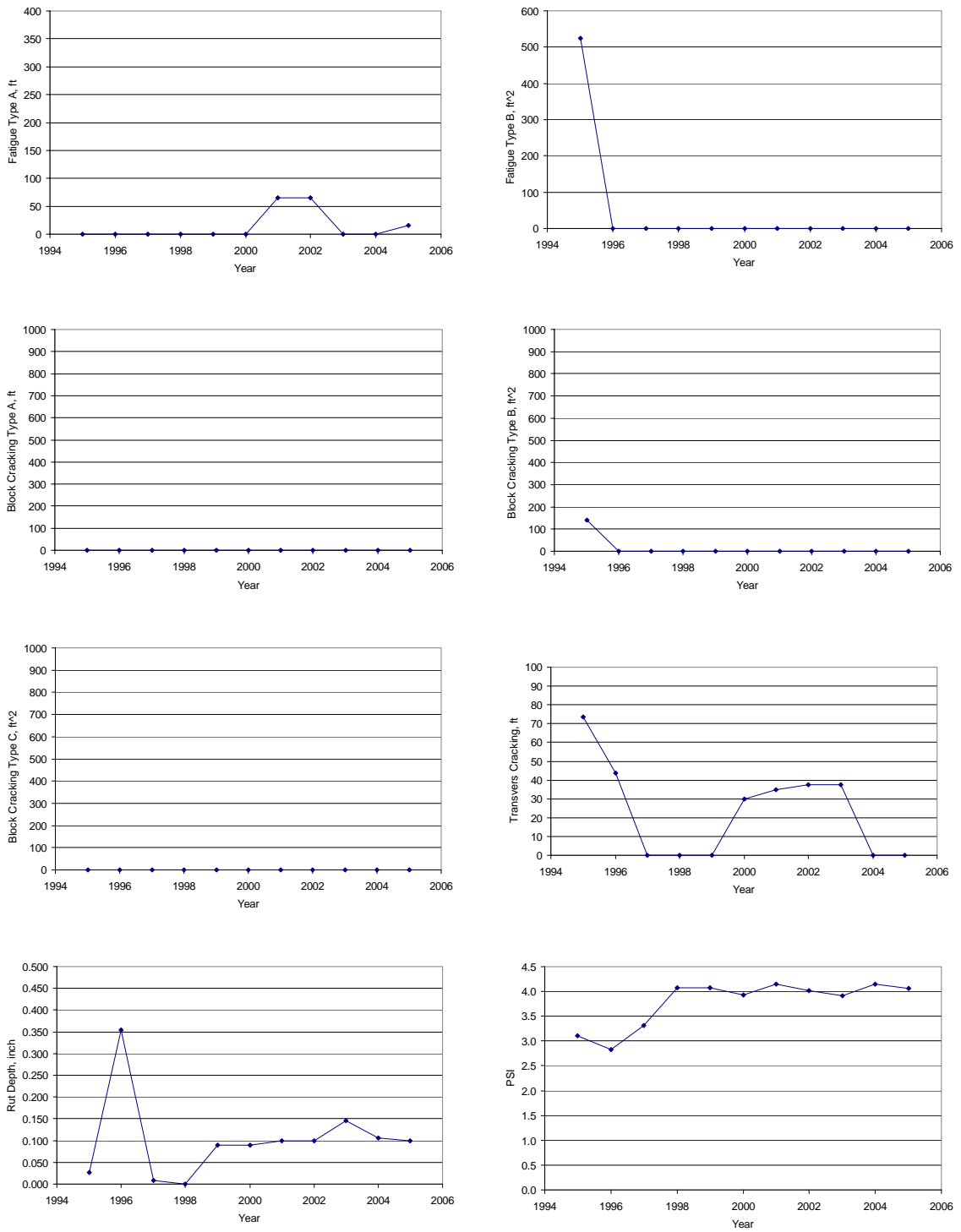


Figure 4.5 Performance data of contract 2819 on US095 from mileposts 6.98 to 14.38

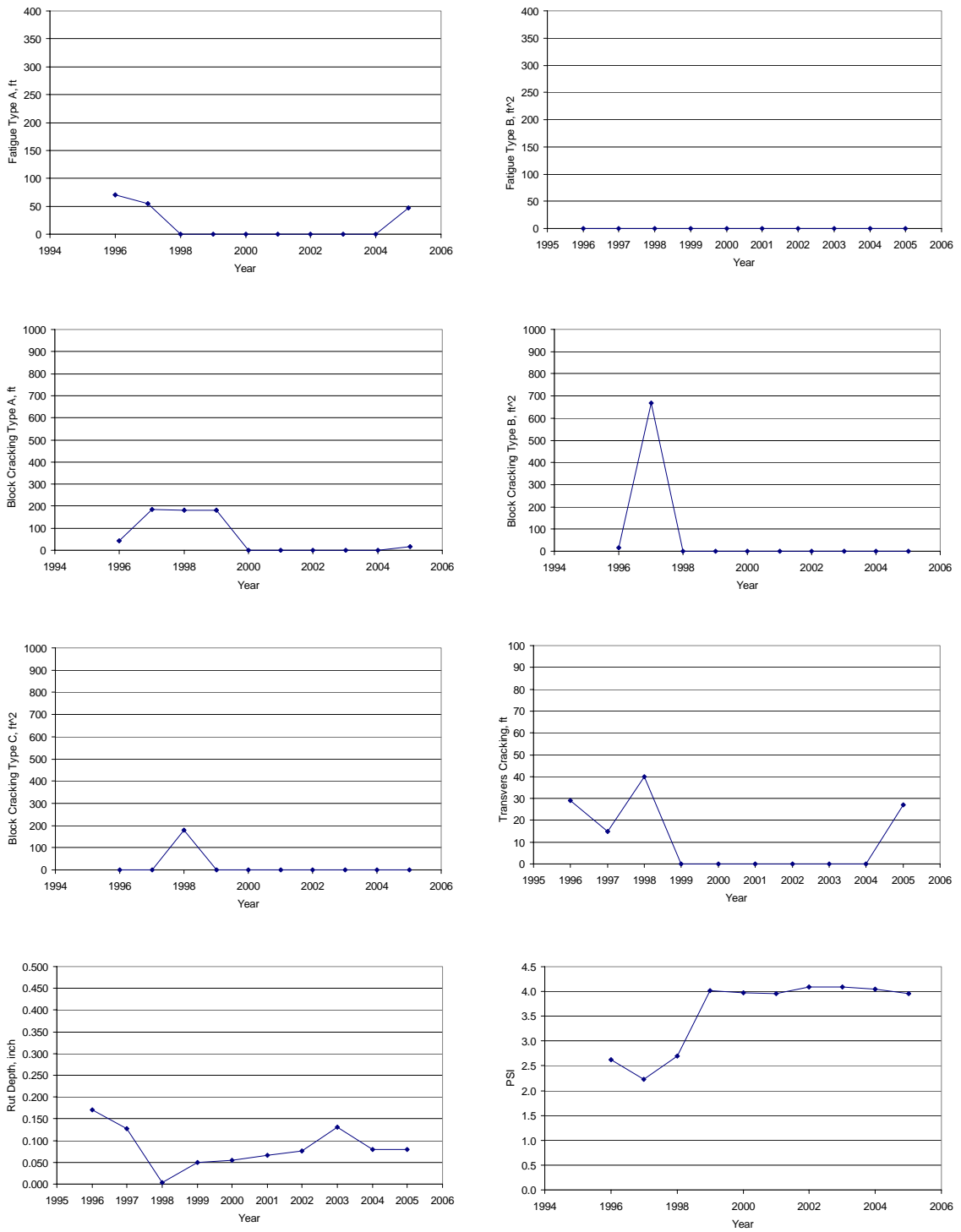


Figure 4.6: Performance data of contract 2873 on US095 from mileposts 56.24 to 72.00

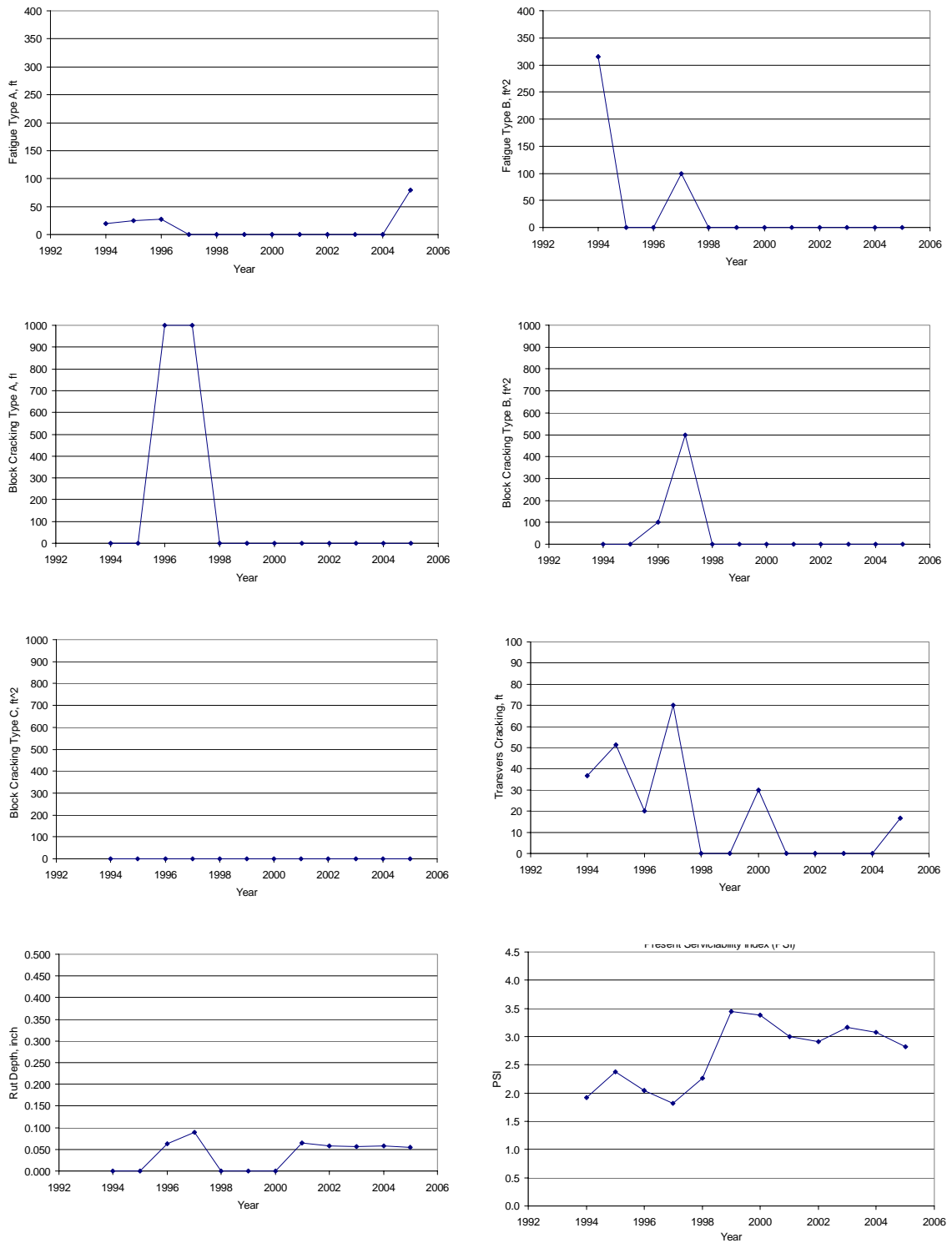


Figure 4.13: Performance data of contract 2761 on SR443 from mileposts 0.00 to 0.87

Agency	Std Specs for Highway Construction Edition	Reflective Cracking Control System	Description
New Hampshire	2006	<ul style="list-style-type: none"> • Hot poured crack sealing 	<ul style="list-style-type: none"> • Crack sealing material to be covered by a 1" or less overlay shall cure a minimum of 45 days prior to the placement of bituminous pavement. • Material covered by an asphalt pavement overlay shall be low modulus conforming to ASTM D 3405, modified. • All cracks greater than 1/8" up to 3/4" in width shall be shaped with a power router to a dimension of 3/4" + 1/8" wide by 5/8" deep rectangular shape and treated unless otherwise directed. Cracks greater than 3/4" shall be treated but not routed.
New Jersey	2001	<ul style="list-style-type: none"> • Sawing and sealing of joints 	<ul style="list-style-type: none"> • Sawing and Sealing Joints in HMA Overlays. Existing transverse joints that are offset at the longitudinal joint by more than 1", measured between the centers of the joints, require separate saw cuts terminating at the longitudinal joint. Overlays shall be saw cut over transverse cracks that are reasonably straight, at least 1/8" wide, and extend one full lane width. • For overlays whose total thickness is 2 inches or less, the saw cut shall be 3/8 to 1/2" wide by 5/8" deep. For overlays whose total thickness is greater than 2", the saw cut shall be a T-shaped cut consisting of the saw cut specified in Item a above plus a 1/8" wide saw cut at the center.
New Mexico	2002	<ul style="list-style-type: none"> • NA 	<ul style="list-style-type: none"> • NA
New York	2006	<ul style="list-style-type: none"> • NA 	<ul style="list-style-type: none"> • NA
N. Carolina	2006	<ul style="list-style-type: none"> • NA 	<ul style="list-style-type: none"> • NA
N. Dakota	2006	<ul style="list-style-type: none"> • Geotextile fabric 	<ul style="list-style-type: none"> • Shall be a fabric consisting of polymeric filament or yarns such as polypropylene, polyethylene, polyester, polyamide, or polyvinylidene chloride. The filaments or yarns shall be formed into a stable network so they retain their relative position to each other.
Ohio	2005	<ul style="list-style-type: none"> • Sawing and sealing of asphalt concrete pavement joints 	<ul style="list-style-type: none"> • Saw cutting and sealing finished surface of the asphalt concrete pavement and shoulders directly over and in line with transverse joints in the underlying portland cement concrete pavement.
Oklahoma	1999	<ul style="list-style-type: none"> • Fabric reinforcement for asphalt concrete pavement 	<ul style="list-style-type: none"> • Surface should be cleaned and free of any material. • Binder should be placed at no less than 290°F and a rate of 0.5 gal/yd². • Fabric should be placed after application of the bituminous binder.

Agency	Std Specs for Highway Construction Edition	Reflective Cracking Control System	Description
Oregon	1999	<ul style="list-style-type: none"> • Crack sealing flexible pavements • Geotextile 	<ul style="list-style-type: none"> • All sealant materials for crack repair of flexible pavements shall be approved by the Engineer before being incorporated into the work. • Clean all cracks designated for sealing of loose and foreign matter. • Seal the cracks from the bottom up in a neat manner, so that upon completion of the work, the surface of the sealant material is flush to 3/16" below adjacent pavement surface. • Geotextile can be use under an overlay and should follow the requirements of table 02320-1.
Pennsylvania	1994	<ul style="list-style-type: none"> • Fiberized asphalt membrane • Polymer modified asphalt joint and cracking 	<ul style="list-style-type: none"> • Fiberized asphalt membrane: cleaning and sealing of longitudinal and transverse joints and cracks in existing pavement surfaces with a fiberized asphalt membrane prior to overlaying. Provide membrane having a width of 5" + 1" on concrete and bituminous pavement surfaces. • Polymer modified asphalt joint and cracking: cleaning and sealing of longitudinal and transverse joints and cracks in existing pavement surfaces with polymer modified asphalt prior to overlaying.
Rhode Island	1999	<ul style="list-style-type: none"> • Cleaning, routing, and sealing cracks in bituminous concrete pavement 	<ul style="list-style-type: none"> • Cracks Less than 1" in width. Poured joint seal material shall be an asphalt rubber compound, hot poured type, conforming to the requirements of AASHTO M173 and approved by the Engineer. Cracks 1" and over in width, bituminous concrete, Class I-2.
South Carolina	2000	<ul style="list-style-type: none"> • NA 	<ul style="list-style-type: none"> • NA
South Dakota	2004	<ul style="list-style-type: none"> • Asphalt concrete crack sealing 	<ul style="list-style-type: none"> • Routing equipment shall be mechanical, power driven, and capable of cutting a reservoir to the required dimensions. Equipment designed to plow the cracks to dimension will not be permitted. • Cracks which are less than 3/4" in width or depth will require routing to a width and depth of 3/4 to 7/8". • Cracks which are 3/4" or greater in width and depth will not require routing, but shall be thoroughly cleaned of foreign material to a depth equal to the width of the crack.
Tennessee	2006	<ul style="list-style-type: none"> • NA 	<ul style="list-style-type: none"> • NA

Agency	Std Specs for Highway Construction Edition	Reflective Cracking Control System	Description
Texas	2004	<ul style="list-style-type: none"> • Fabric underseal 	<ul style="list-style-type: none"> • Furnish and place fabric underseal in a longitudinal, full-road-width application or over pavement joints. • Prepare the surface by cleaning off dirt, dust, or other debris. • Apply asphalt binder immediately after asphalt binder application, align the fabric and broom or roll it in place. Overlap transverse joints by minimum of 6”. • Overlap longitudinal joints by a minimum of 4”.
Utah	2002	<ul style="list-style-type: none"> • NA 	<ul style="list-style-type: none"> • NA
Vermont	2001	<ul style="list-style-type: none"> • Bituminous crack filling 	<ul style="list-style-type: none"> • This work shall consist of furnishing and placing sealing compound in cracks of existing bituminous concrete pavement. • Cracks 1/4” and wider shall be shaped with a power router and flame cleaned of all dirt, foreign material, and loose edges to a minimum depth of 3/4”. All cracks may be cleaned with a hot compressed air lance instead of routing, if approved by the Engineer.
Virginia	2006	<ul style="list-style-type: none"> • NA 	<ul style="list-style-type: none"> • NA
Washington	2002	<ul style="list-style-type: none"> • NA 	<ul style="list-style-type: none"> • NA
West Virginia	2000	<ul style="list-style-type: none"> • NA 	<ul style="list-style-type: none"> • NA
Wisconsin	2006	<ul style="list-style-type: none"> • NA 	<ul style="list-style-type: none"> • NA
Wyoming	2003	<ul style="list-style-type: none"> • Crack sealing • Paving fabric 	<ul style="list-style-type: none"> • Crack sealing consist of: a. Removing of existing material, b. routing, c. cleaning/drying, d. Sealing. • Paving fabric applies to fabric membranes used for full coverage of the pavement or as strips over transverse and longitudinal pavement joints

**APPENDIX C – PC1 Values Along with Measured Surface Cracks of NDOT
Projects**

**Table C1 PC1 Values 1-year Before Rehabilitation and 1-year After Treatment
Construction for Flexible Pavements.**

Contract	Project ID	Fatigue cracking		Transverse Cracking (ft)	Block cracking			PC1 at -1	PC1 at +1
		Type A (ft)	Type B (ft ²)		Type A (ft)	Type B (ft ²)	Type C (ft ²)		
2808a	CIR-A-1	300	0	20	100	0	0	0.841196	-0.7828
2808b	CIR-A-2	50	300	35	110	0	0	0.313319	-0.7828
2838	CIR-A-3	0	0	0	400	750	700	1.728775	-0.67827
2935	CIR-A-4	150	300	35	100	300	300	1.464507	-0.7828
2819	CIR-B-1	0	530	75	0	150	0	0.79174	-0.7828
2873	CIR-B-2	50	0	40	190	675	190	1.291939	-0.7828
2961	CIR-B-3	40	0	40	100	1000	1000	2.485455	-0.7828
3013	CIR-B-4	75	0	30	225	0	0	0.227509	-0.7828
3025a	CIR-C-1	10	50	25	0	0	0	-0.4243	-0.62601
3025b	CIR-C-2	35	150	35	125	300	110	0.639205	-0.52148
3025c	CIR-C-3	50	150	10	300	400	50	0.802542	-0.52148
2876	CIR-D-1	50	0	75	400	0	50	0.953418	-0.52148
2761	RF-1	25	100	70	1000	500	0	2.545001	-0.46921
2932	RF-2	25	100	100	0	0	0	0.477578	-0.7828
2980a	RF-3	25	100	30	0	150	10	-0.0425	-0.7828
2980b	RF-4	25	100	20	0	0	0	-0.35866	-0.7828
3006	RF-5	25	100	21	0	0	0	-0.34821	-0.7828
3008	RF-6	25	100	10	0	0	0	-0.46319	-0.7828
2723	SCR-1	120	445	60	210	210	0	1.477647	-0.7828
3031	SCR-2	75	75	50	500	0	0	0.991769	-0.7828
3048	SCR-3	50	0	55	0	0	0	-0.00065	-0.7828
3045	SCR-4	50	300	25	0	0	0	0.020147	-0.7828
3162	SCR-5	0	0	20	0	0	0	-0.57374	-0.7828
2384a	MOL-A-1	0	600	20	200	0	0	0.43801	-0.15926
2384b	MOL-A-2	100	325	42	60	0	0	0.535849	-0.7828
2432	MOL-B-1	110	0	75	0	0	0	0.457102	-0.7828
2505	MOL-B-2	0	600	0	400	0	1000	1.752618	-0.7828
2651a	MOL-C-1	0	300	0	300	0	300	0.420265	-0.7828
2651b	MOL-C-2	0	0	0	0	1000	1000	1.730051	-0.7828
2651c	MOL-C-3	100	0	95	200	1000	1000	3.48055	-0.7828
2679	MOL-C-4	0	0	15	0	0	0	-0.62601	-0.52148
3028	MOL-B-3	0	0	48	0	0	0	-0.28106	-0.7828
3070	MOL-C-5	35	50	35	325	375	0	0.840768	-0.7828

Table C2 PC1 Values 1-year Before Rehabilitation and 3-year After Treatment Construction for Flexible Pavements.

Contract	Project ID	Fatigue cracking		Transverse Cracking (ft)	Block cracking			PC1 at -1	PC1 at +3
		Type A (ft)	Type B (ft ²)		Type A (ft)	Type B (ft ²)	Type C (ft ²)		
2808a	CIR-A-1	300	0	20	100	0	0	0.58561	-0.81830
2808b	CIR-A-2	50	300	35	110	0	0	0.19113	-0.24700
2838	CIR-A-3	0	0	0	400	750	700	1.77037	-0.72010
2935	CIR-A-4	150	300	35	100	300	300	1.30582	-0.81830
2819	CIR-B-1	0	530	75	0	150	0	0.66354	-0.26733
2873	CIR-B-2	50	0	40	190	675	190	1.23997	-0.81830
2961	CIR-B-3	40	0	40	100	1000	1000	2.50515	-0.81830
3013	CIR-B-4	75	0	30	225	0	0	0.12057	-0.81830
3025a	CIR-C-1	--	--	--	--	--	--	--	--
3025b	CIR-C-2	35	150	35	125	300	110	0.56324	-0.81830
3025c	CIR-C-3	50	150	10	300	400	50	0.73270	-0.52369
2876	CIR-D-1	50	0	75	400	0	50	0.83777	-0.52369
2761	RF-1	25	100	70	1000	500	0	2.45912	-0.52369
2932	RF-2	25	100	100	0	0	0	0.35166	-0.81830
2980a	RF-3	25	100	30	0	150	10	-0.11632	-0.81830
2980b	RF-4	25	100	20	0	0	0	-0.43397	-0.72010
3006	RF-5	25	100	21	0	0	0	-0.42415	-0.81830
3008	RF-6	25	100	10	0	0	0	-0.53218	-0.64154
2723	SCR-1	120	445	60	210	210	0	1.28675	-0.81830
3031	SCR-2	75	75	50	500	0	0	0.86394	-0.81830
3048	SCR-3	50	0	55	0	0	0	-0.10546	-0.81830
3045	SCR-4	50	300	25	0	0	0	-0.09539	-0.81830
3162	SCR-5	--	--	--	--	--	--	--	--
2384a	MOL-A-1	0	600	20	200	0	0	0.32986	-0.27646
2384b	MOL-A-2	100	325	42	60	0	0	0.37238	-0.62189
2432	MOL-B-1	110	0	75	0	0	0	0.29821	-0.81830
2505	MOL-B-2	0	600	0	400	0	1000	1.71684	-0.81830
2651a	MOL-C-1	0	300	0	300	0	300	0.37226	-0.81830
2651b	MOL-C-2	0	0	0	0	1000	1000	1.80296	-0.81830
2651c	MOL-C-3	100	0	95	200	1000	1000	3.42373	-0.81830
2679	MOL-C-4	0	0	15	0	0	0	-0.67100	-0.60225
3028	MOL-B-3	0	0	48	0	0	0	-0.34692	-0.67100
3070	MOL-C-5	--	--	--	--	--	--	--	--

Table C3 PC1 Values 1-year Before Rehabilitation and 5-year After Treatment Construction for Flexible Pavements.

Contract	Project ID	Fatigue cracking		Transverse Cracking (ft)	Block cracking			PC1 at -1	PC1 at +5
		Type A (ft)	Type B (ft ²)		Type A (ft)	Type B (ft ²)	Type C (ft ²)		
2808a	CIR-A-1	300	0	20	100	0	0	-0.06549	-0.80584
2808b	CIR-A-2	50	300	35	110	0	0	-0.02962	-0.47097
2838	CIR-A-3	0	0	0	400	750	700	1.87241	-0.65080
2935	CIR-A-4	150	300	35	100	300	300	0.93381	-0.80584
2819	CIR-B-1	0	530	75	0	150	0	0.44757	-0.44988
2873	CIR-B-2	50	0	40	190	675	190	1.12401	-0.80584
2961	CIR-B-3	40	0	40	100	1000	1000	2.51798	-0.80584
3013	CIR-B-4	75	0	30	225	0	0	-0.10277	-0.80584
3025a	CIR-C-1	--	--	--	--	--	--	--	--
3025b	CIR-C-2	--	--	--	--	--	--	--	--
3025c	CIR-C-3	--	--	--	--	--	--	--	--
2876	CIR-D-1	--	--	--	--	--	--	--	--
2761	RF-1	25	100	70	1000	500	0	2.21048	-0.54500
2932	RF-2	25	100	100	0	0	0	0.08997	-0.80584
2980a	RF-3	25	100	30	0	150	10	-0.21971	-0.80584
2980b	RF-4	25	100	20	0	0	0	-0.53018	-0.72832
3006	RF-5	--	--	--	--	--	--	--	--
3008	RF-6	--	--	--	--	--	--	--	--
2723	SCR-1	120	445	60	210	210	0	0.85628	-0.80584
3031	SCR-2	75	75	50	500	0	0	0.56204	-0.51127
3048	SCR-3	50	0	55	0	0	0	-0.30895	-0.76708
3045	SCR-4	--	--	--	--	--	--	--	--
3162	SCR-5	--	--	--	--	--	--	--	--
2384a	MOL-A-1	0	600	20	200	0	0	0.18552	-0.47097
2384b	MOL-A-2	100	325	42	60	0	0	0.03547	-0.52035
2432	MOL-B-1	110	0	75	0	0	0	-0.06927	-0.47097
2505	MOL-B-2	0	600	0	400	0	1000	1.68564	-0.80584
2651a	MOL-C-1	0	300	0	300	0	300	0.33580	-0.48165
2651b	MOL-C-2	0	0	0	0	1000	1000	1.98938	-0.57328
2651c	MOL-C-3	100	0	95	200	1000	1000	3.19106	-0.43221
2679	MOL-C-4	0	0	15	0	0	0	-0.68956	-0.57328
3028	MOL-B-3	0	0	48	0	0	0	-0.43375	-0.68956
3070	MOL-C-5	--	--	--	--	--	--	--	--

Table C4 PC1 Values 1-year Before Rehabilitation and 5-year After Treatment Construction for Rigid Pavements.

Contract	Project ID	Fatigue cracking		Transverse Cracking (ft)	Block cracking			PC1 at -1	PC1 at +5
		Type A (ft)	Type B (ft ²)		Type A (ft)	Type B (ft ²)	Type C (ft ²)		
2886	CS-1	0	0	0	0	0	0	-0.75771	0.17659
2889	CS-2	0	0	0	0	0	0	-0.75771	-0.20605
2962	CS-3	0	0	10	0	0	0	0.17659	-0.75771
2999	CS-4	0	0	0	0	0	0	-0.75771	0.62144
3021	CS-5	0	0	0	0	0	0	-0.75771	0.62144
2549	RPCC-1	0	0	33	0	0	0	2.32550	0.34561
2869	RPCC-2	0	0	0	0	0	0	-0.75771	2.00059
2901	RPCC-3	0	0	0	0	0	0	-0.75771	-0.75771
3088	RPCC-4	--	--	--	--	--	--	--	--
3186a	RPCC-5	--	--	--	--	--	--	--	--
3186b	RPCC-6	--	--	--	--	--	--	--	--

APPENDIX D – Selected Washoe County Projects Descriptions

Section	Roadway Name	Beginning Point	End Point	Length (ft.)	Width (ft.)	Treatment Date	Treatment
1036.3	Tapadero Trail	169 ft. east of Riata Circle	239 ft. east of Riata Circle	1,205	38	8/11/93	NF-1.5
1067.1	Sleepy Hollow Drive	East side of Tamarisk Drive	Hidden Valley Drive	4,340	38	8/4/88	NF-1.5
1068.1	Sequoia Lane	6 ft. south Pembroke Drive	6 ft. east Sleepy Hollow Drive	1,720	32	8/2/88	NF-1.5
1068.2	Sequoia Lane	West side Sleepy Hollow	6 ft. east St. Andrews	750	32	8/2/88	NF-1.5
1070.1	Blue Hills Drive	West side Hidden Valley Drive	18 ft. south Stillmeadow Drive	711	38	8/3/88	NF-1.5
1070.2	Blue Hills Drive	18 ft. Stillmeadow Drive	North side Cedarbrook Drive	773	25	8/3/88	NF-1.5
1078.2	Walnut Street	72 ft. south Piedmont Place	West side Derbish Way	1,027	26	9/25/89	NF-1.5
1079.2	Piedmont Place	318 ft. east Walnut Street	West side Derbish Way	531	28	9/25/89	NF-1.5
1090.1	Foxtail Drive	South side of Stillmeadows Drive	North side Cedarbrook Drive	794	26	8/3/88	NF-1.5
1094.1	Stillmeadow Drive	East side Blue Hills Drive	33 ft. West Foxtail Drive	333	26	8/3/88	NF-1.5
1159.1	Native Dancer Drive	West side Parkway Drive	366 ft. west Parkway Drive	366	38	9/19/90	NF-1.5
2025.1	Fantail Circle	West side Sandpiper Drive	South side Goldfinch Drive	577	26	7/24/95	NF-1.5
2040.1	Thrush Lane	East side Sandpiper Drive	West side Limkin Street	902	26	8/10/89	NF-1.5
2062.3	Oregon Blvd.	13 ft. north of Heartpine Street	West side Matterhorn Blvd.	5,675	24	9/1/88	NF-1.5
2065.2	Cunningham Way	West side Ramsey Way	475 ft. west Ramsey Way	481	30	8/23/99	NF-1.5
2069.1	Dillon Way	East side Lemmon Drive	North side Cunningham Way	873	30	8/23/89	NF-1.5
2077.3	Patrician Drive	83 ft. Snoopy Circle	8 ft. south Nicia Street	640	38	8/28/89	NF-1.5
2079.4	Palace Drive	South of Pagoda Way	707 ft. south side of Pagoda Way	707	39	8/6/90	NF-1.5
2080.1	Kess Way	South side Pagoda Way	130 ft. north on Wiggins Circle	1,127	38	8/28/89	NF-1.5
2081.1	Judy Way	3 ft. east Freemont Way	North west side Gremlin Way	635	38	8/25/89	NF-1.5
2095.2	Paxton Way	East side Turbine Way	West side of Reservoir Street	502	29	8/6/90	NF-1.5
2106.1	Niles Way	East side of Fleetwood Drive	South side of Compton Street	1,023	38	8/3/90	NF-1.5
2116.2	Fleetwood Drive	185 ft. north of Patrician Drive	110 ft. north Compton Lane	875	38	8/6/90	NF-1.5
2127.2	Winchester Drive	East side of Marin Drive	West side Remington Road	1,235	24	8/28/89	NF-1.5
2128.1	Remington Road	East side of Sherman Way	South side of Winschester Drive	1,951	23	8/28/89	NF-1.5
2129.1	Colt Drive	West side Remington Road	East side Marlin Drive	1,234	24	8/28/89	NF-1.5
2133.1	Hillview Drive	North side Sherman Way	52 ft. north of Hahn Circle	2,243	25	7/18/95	NF-1.5
2164.3	Coretta Way	East side of Medgar Ave.	155 ft. East Medgar Ave.	155	32	7/6/94	NF-1.5
2165.2	Westbrook Lane	118 ft. of Malcom Ave.	North side of Malcom Ave.	118	32	7/6/94	NF-1.5
4019.1	Heritage Drive	South side Widdlefork Drive	Southwest Amargosa Drive	750	27	8/29/89	NF-1.5
4026.1	Warm Springs Drive	North side Leon Drive	South side Smokey Canyon1	364	26	8/29/89	NF-1.5
4087.1	Sunflower Drive	South side First Ave.	167 ft. west of Sagebrush Drive	1,267	29	9/12/89	NF-1.5
4089.1	Honey Bear Drive	North side Second & Lupin Street	461 ft. N. Second & Lupin Street	461	27	6/17/92	NF-1.5
4089.2	Honey Bear Drive	461 ft. N. Second & Lupin Street	West side of Lupin Drive	825	27	9/14/89	NF-1.5
4109.1	Lupin Drive	West side of Honey Bear Drive	South side Gepford Parkway	1,765	30	6/18/92	NF-1.5
4109.2	Lupin Drive	North side of Fourth Ave.	South side of Fifth Ave.	1,282	23	9/20/88	NF-1.5

Section	Roadway Name	Beginning Point	End Point	Length (ft.)	Width (ft.)	Treatment Date	Treatment
4114.1	Ends Way	East side of West Leonesio Way	West side east Leonesio Way	380	27	9/12/89	NF-1.5
5127.2	Lindberg Lane	North side of Vergil Drive	South side of Leo Drive	1,279	26	7/10/95	NF-1.5
6003.2	Mankato Drive	East of South Hills Drive	161 ft. east of South Hills Drive	161	26	9/25/89	NF-1.5
6038.1	Creek Crest Drive	North side of Zolezzi Lane	65 ft. east of Overbrook Drive	1,698	33	6/28/94	NF-1.5
6151.1	Bridle Way	South side Ross Drive	1759 ft. south Ross Drive	1,759	22	8/30/88	NF-1.5
6151.2	Bridle Way	1759 ft. Ross Drive	North of tip Plateau Road	668	26	8/30/88	NF-1.5
6156.1	Ambrose Drive	West side Livermore Drive	E. side Fenno way - in intersection	1,768	23	8/30/88	NF-1.5
6156.2	Ambrose Drive	West side Fenno Way - in int.	747 ft. west Fenno Way	747	25	8/30/89	NF-1.5
6157.1	Fenno Way	North side Mayberry Drive	North side Ambrose Drive	1,891	25	8/30/88	NF-1.5
6211.2	Canyon Drive	30 ft. west of Bridge	30 ft. west of Guardrail	838	25	7/6/91	NF-1.5
6211.4	Canyon Drive	12 ft. west of Hunter Place	West side Canyon Circle	389	31	6/6/91	NF-1.5
7094.2	Goldenrod Drive	West side Callahan Road	25 ft. east Willowbrook Drive	561	31	8/16/88	NF-1.5
7096.4	Tannerwood Drive	39 ft. east Englewood Circle	West side Callahan Road	1,626	30	8/16/88	NF-1.5
7096.5	Tannerwood Drive	East side Callahan Road	East side Cherrywood Drive	1,221	26	8/16/88	NF-1.5
7100.1	Cherrywood Drive	South side Tannerwood Drive	383 ft. south Shawna Lane	2,977	26	8/16/88	NF-1.5
7113.1	Blue Spruce Road	Joy Lake Road north int.	273 ft. east of Douglas	3,757	30	8/18/88	NF-1.5
1003.2	Venus Avenue	17 ft. north of Aquarius Circle	West of Toll Road	1,095	25	8/10/93	NF-2.0
1021.1	Algonquin Drive	east of Kewanna Trail	West side of Cochise Drive	426	24	8/10/95	NF-2.0
1022.1	Cochise Drive	North of Rim Rock Drive	South side of Algonquin Drive	912	25	8/10/95	NF-2.0
1024.1	Huron Trail	North of Minnetonka Circle	390 ft. north of Minnetonka Circle	390	26	9/11/95	NF-2.0
1026.1	Sioux Trail	West of Minnetonka Circle	249 ft. West of Sitting Bull Circle	660	26	8/11/95	NF-2.0
1027.1	Geronimo Trail	South of Minnetonka Circle	North side Chorokee Trail	964	25	8/14/95	NF-2.0
1028.2	Cherokee Trail	271 ft. east of Tapadero	25 ft. east Geronimo Trail	760	26	8/14/95	NF-2.0
1029.1	Seminole Trail	North of Cheerokee Trail	South Minnetonka Circle	746	26	8/11/95	NF-2.0
2024.2	Fantail Street	128 ft. east of Limkin Street	East side of Sandpiper Drive	1,039	32	8/16/90	NF-2.0
2025.2	Fantail Circle	North side of Goldfinch south int.	W. side Goldfinch N. intersection	1,445	26	8/16/90	NF-2.0
2027.1	Limkin Street	North side of Egret Lane	South side of Fantail Street	965	26	8/16/90	NF-2.0
2027.2	Limkin Street	North side of Fantail Street	6 ft. south Macaw Lane	297	32	8/16/90	NF-2.0
2028.2	Egret Lane	9 ft. west of Limkin Street	East side of Sandpaper Drive	974	25	8/8/90	NF-2.0
2048.1	Goldfinch Drive	West side of Flamingo Drive	South side of Blackbird Drive	2,833	30	8/8/90	NF-2.0
2103.3	Surge Street	East side of Lemmon-RCB bridge	West side of Lemmon-RCB bridge	104	29	8/15/95	NF-2.0
2116.3	Fleetwood Drive	East side of Lemmon-RCB bridge	West side of Lemmon-RCB bridge	65	30	8/15/95	NF-2.0
2158.1	Vista View Drive	South of Bluff View Way	North side of Margaret Drive	1,608	24	8/19/97	NF-2.0
2196.1	Crockett Drive	East side of Plata Meas Drive	West side Osage Road	2,107	24	8/24/90	NF-2.0
2260.1	Blackbird Drive	West side of Flamingo Drive	52 ft. southwest Jacana Court	1,869	30	8/8/90	NF-2.0
5137.2	Palm Springs Drive	15 ft. north Palm Spring Court	7 ft. south of Sky Ranch Blvd.	1,172	39	8/7/97	NF-2.0
5173.1	Arneson Lane	West side of El Rancho Drive	161 ft. west Charolaise Circle	369	31	9/13/90	NF-2.1

Section	Roadway Name	Beginning Point	End Point	Length (ft.)	Width (ft.)	Treatment Date	Treatment
6033.1	Stillwater Way	North of Zolezzi Lane	6 ft. south of Creek Crest Drive	1,115	27	5/31/96	NF-2.0
6083.1	Lone Tree Lane	West side of Lakeside Drive	55 ft. west of Frost Lane	1,881	25	5/31/96	NF-2.0
6148.1	Christy Way	South side of Ross Drive	North side of Plateau Road	2,251	27	7/10/94	NF-2.0
6219.1	Pinto Drive	North side Juniper Creek Road	East side of Hackamore Drive	1,259	23	9/14/93	NF-2.0
6225.1	Sundance Drive	33ft. from north of State Route 431	South side Stone Court	1,465	42	8/5/97	NF-2.0
7095.1	Willowbrook Drive	North side of Goldenrod Drive	South of Wildwood Drive	1,193	26	9/24/90	NF-2.0
7099.1	Brushwood Way	East side Cherrywood Drive	374 ft. from Balsawood Drive	1,103	26	6/30/94	NF-2.0
7101.1	Cedarwood Drive	East side Callohan Road	West side of Cherrywood Drive	1,352	26	9/28/90	NF-2.0
7264.1	Warrior Lane	26 ft. east of Riverbend Road	230 ft. west of Riverbend Road	300	42	6/4/96	NF-2.0
7273.1	Hansen Drive	Northwest of Third Street	East side of Lakeview Drive	1,720	34	9/17/90	NF-2.0
7274.1	Lakeview Drive	West side Bridge Street	West side of Hansen Drive	2,945	23	9/17/90	NF-2.0
7339.1	Mogul Road	24 ft. west of Cable Marker 23611	277 ft. W. of Cable Marker 23611	253	32	7/15/93	NF-2.0
7339.3	Mogul Road	1271 ft. W. of Cable Marker 23611	104 ft. NE of first railroad crossing	503	25	7/15/93	NF-2.0
1010.2	Zircon Drive	540 ft. south of Rhyolite Circle	West side of Towne Drive	479	26	10/1/90	NF-2.5
1010.3	Zircon Drive	East side of Towne Drive	158 ft. south of Tourmaline Drive	1,542	35	10/1/90	NF-2.5
1020.1	Kewanna Trail	North of Rim Rock Road	South side of Reading Street	1,130	25	8/10/95	NF-2.5
1023.1	Minnetonka Circle	South side of Rim Rock Drive	West side of Huron Trail	2,438	26	8/11/95	NF-2.5
1028.1	Cherokee Trail	4 ft. east side of Tanadero Trail	271 ft. east side of Tapadero Trail	271	37	8/10/93	NF-2.5
2003.1	Becard Lane	North side of Canuasback Lane	108 ft. east Gull Street	1,285	26	7/7/94	NF-2.5
2028.1	Egret Lane	West side of Brant Street	9ft. west of the east side of Limkin	1,883	25	7/2/94	NF-2.5
2056.1	Sitka Street	West side of Matterhorn Blvd.	East side of Waterash Street	825	24	8/24/89	NF-2.5
2073.2	Jean Way	West side of Pompe Way	East side of Ramsey Way	1,297	30	8/21/89	NF-2.5
2100.1	Channel Way	North side of Hydraulic Street	West side of Aquifer	1,007	24	6/23/92	NF-2.5
2134.2	Margaret Drive	West side of Estates Road	394 ft. west of Estates Road	394	25	8/27/93	NF-2.5
2145.2	Deer Foot Lane	West side of Spearhood Way	Rain Dance Way	1,300	25	8/27/93	NF-2.5
2191.2	Silver Knolls Blvd.	111 ft. West of White Hawk	East side of Red Rock Drive	1,433	24	8/22/90	NF-2.5
2198.3	Osage Road	152 ft. North of Grey Hawk Court	295 ft. south of Crockett Drive	7,956	24	7/20/95	NF-2.5
3013.1	Finch Way	South side of McClellan Drive	18 ft. Blueing Lane	1,001	26	8/11/88	NF-2.5
3021.1	Drake Way	South side of McClellon Drive	145 ft. northwest of Linnet Way	1,159	26	8/11/88	NF-2.5
3026.1	Bellevue Road	34 ft. west of 395 south	220 ft. east of Whiteman Street	2,811	25	10/1/90	NF-2.5
3030.1	Lakeshore Drive	West side of East Lake Blvd.	41 ft. north of Cottontail	1,499	29	10/1/90	NF-2.5
3030.2	Lakeshore Drive	41 ft. north Cottontail	777 ft. south of Esmarelda Drive	4,801	25	6/29/92	NF-2.5
3036.1	Awes Lane	25 ft. west side of 395 south	West side of Cooke Drive	2,975	23	10/1/90	NF-2.5
3042.1	Eaton Road	East side of Awes Lane	West side of Pleasant Valley	1,445	23	10/1/90	NF-2.5
3053.1	Surry Drive	South side of Laremie Drive west	430 ft. west of Kitts Way	1,951	25	8/8/95	NF-2.5
4010.2	Middle Fork Drive	52 ft. west of Danforth Drive	NW side of Armargosa Drive	1,022	29	9/5/90	NF-2.5
4045.5	Sixth Ave.	West side of Leon Drive	296 ft. east of Sun Valley	993	23	9/11/90	NF-2.5

Section	Roadway Name	Beginning Point	End Point	Length (ft.)	Width (ft.)	Treatment Date	Treatment
4045.6	Sixth Ave.	296 ft. east of Sun Valley Drive	36 ft. east of Sun Valley Drive	260	39	9/11/90	NF-2.5
4069.2	Fourth Ave.	112 ft. east of Flora Way	133 ft. east of John Drive	371	32	9/7/90	NF-2.5
4069.3	Fourth Ave.	133 ft. east of Jon Drive	West side of Pearl Drive	995	29	9/7/1990	NF-2.5
4069.4	Fourth Ave.	West side of Pearl Drive	5 ft. east of Lulpin Drive	633	23	9/7/90	NF-2.5
4070.4	Gepford Parkway	36 ft. west of Sun Valley Drive	East side of Side Hill Drive	1,280	24	9/5/89	NF-2.5
4107.4	Pearl Drive	North side of Seventh Ave.	South side of Eighth Ave.	1,296	24	8/30/89	NF-2.5
4108.3	Yukon Drive	North side of Fifth Ave.	South side of Seventh Ave.	2,586	24	6/18/92	NF-2.5
4108.4	Yukon Drive	North side of Seventh Ave.	South side of Nineth Ave.	2,596	24	8/30/89	NF-2.5
6026.2	Broili Drive	West side Caribou Road	7 ft. North of Homeland Drive	991	30	9/22/89	NF-2.5
6137.1	View Crest Drive	West side of Del Monte Lane	East side of Lakeside Drive	2,676	24	8/5/97	NF-2.5
6138.1	Sierra Vista Way	North side of View Crest Drive	East side of Lakeside Drive	1,848	25	8/5/97	NF-2.5
6212.1	El Dorado Drive	East side Canyon Drive	West side of Westgate Road	682	22	8/1/95	NF-2.5
6216.1	Juniper Creek Road	East side of Ross Drive	500 ft. Pinto Drive	1,724	22	8/1/95	NF-2.5
6221.1	Wesgate Road	South side of Canyon Drive	South side of El Dorado Drive	580	22	8/1/95	NF-2.5
7094.1	Goldenrod Drive	East side of Callahan Road	West side of Cherry Drive	1,472	31	9/24/90	NF-2.5
2193.1	Larson Ranch Road	Northeast side of Silver Knolls	Southeast side Adilene Road	1,475	24	7/5/00	F-2.0
3047.2	Pagni Lane	West side of Kitts Way	West side of Connie Way	1,659	26	7/3/98	F-2.0
3050.1	Connie Way	North side of Pagni Lane	South side Gelena Pines Road	1,180	26	7/3/98	F-2.0
3051.1	Galena Pines Road	Northeast side of Connie Way	West side of Kitts Way	1,475	26	7/3/98	F-2.0
3058.1	Ravazza Road	South side of Toll Road	West side of Ramona Road	2,010	30	7/3/98	F-2.0
3059.1	Ramona Road	South side of Ravazza Road	Southeast side of Rovazza	1,433	30	7/3/98	F-2.0
3060.1	Marango Road	West side of Leon Drive	279 ft. south of Romana Road	1,033	31	7/3/98	F-2.0
4101.1	Franks Lane	East side of Prosser Way	850 ft. east of Prosser Way	850	33	6/29/00	F-2.0
5130.2	Rockwell Blvd.	North side of Sky Ranch Blvd.	332 ft. north of Sky Ranch Blvd.	332	36	8/3/99	F-2.0
5217.1	Benedict Drive	North side of La Posada Drive	38 ft. north of Cortez Circle	984	33	7/17/98	F-2.0
6027.4	Edmond	South side of Broili Drive	6 ft. north side of Zolezzi Lane	1,573	30	7/6/98	F-2.0
6052.1	Fellowship Way	E. of Thomas Creek Road (north)	E. side of Thomas Creek Road (S.)	2,885	26	7/8/98	F-2.0
6052.2	Fellowship Way	West side of Thomas Creek	6 ft. south of Rockhaven Drive	1,784	28	7/8/98	F-2.0
6055.1	Roseview Lane	West side of Thomas Creek	North side Fellowship Way	1,180	28	7/798	F-2.0
6056.1	Rockhaven Drive	E. 230 ft. north of Twin Oaks road	6 ft. east of Welcome Way	2,500	28	7/7/98	F-2.0
6082.1	Bellhaven Road	South side of Lone Tree Lane	North side of Brunswick Mill Road	1,977	30	6/16/00	F-2.0
6084.1	MacFarlane Drive	West side of Frost Lane	812 ft. west of Frost Lane	812	37	6/16/00	F-2.0
6087.1	Kevin Lane	North end of Kinney Lane (sec 1)	1422 ft. NW of Kinney Lane sec. 1	1,472	30	7/11/98	F-2.0
6088.1	Kinney Lane	West side of Lakeside Drive	South end of Kevin Lane	853	37	7/11/98	F-2.0
6088.2	Kinney Lane	West of Kenney/Kevin lane	Northwest end of Kevin Lane	3,318	30	7/11/98	F-2.0
7121.1	Big Pine Drive	South tip of Snow Berry Drive	757 ft. east of Snowflower Drive	1,589	36	6/15/00	F-2.0
7122.1	Evergreen Hills Drive	East side of Austrian Pine Road	1275 ft. east of Snow Berry Drive	1,766	37	6/14/00	F-2.0

Section	Roadway Name	Beginning Point	End Point	Length (ft.)	Width (ft.)	Treatment Date	Treatment
7123.1	Snow Berry Drive	S. side of Mountain Bluebird Drive	North side of Evergreen Hills	341	36	6/14/00	F-2.0
7123.2	Snow Berry Drive	South side of Evergreen Hills	North side of Big Pine Drive	406	37	6/14/00	F-2.0
2194.1	White Hawk Drive	North side of Silver Knolls	West side of Carlsbad Road	2,443	24	7/5/00	F-2.0s
3023.1	Cavatio Drive	East side of Lake Blvd.	30 ft. east of Blazer Circle	935	26	6/13/00	F-2.0s
3027.3	Pershing Lane	22 ft. South Clark Drive	North side Ormsby Lane	3,922	23	6/13/00	F-2.0s
4102.1	Prosser Way	South side of First Avenue	South side of Frank's Lane	740	33	6/29/00	F-2.0s
4106.2	Carol Drive	North side of Second Avenue	South side of Gepford Parkway	1,250	23	6/28/00	F-2.0s
4112.1	Lofty View Drive	East side of Suger Hill Drive	West side of Suger Hill Drive	496	32	6/28/00	F-2.0s
4113.1	Suger Hill Drive	South side of Rampion Way	West side Leon Drive	1,473	32	6/29/00	F-2.0s
4116.1	Skaggs Circle	West side Sun Valley Drive	East side of Leonesio Drive	290	26	6/29/00	F-2.0s
6050.2	Twin Oaks Road	968 ft. west of Oaks Glen Drive	East side Thomas Creek	828	26	6/11/01	F-2.0s
6050.3	Twin Oaks Road	West of Thomas Road	714 ft west of Thomas Road	714	26	6/11/01	F-2.0s
7117.1	Bum's Gulch Road	119ft. S. Hwy 431 at Intersection	1189ft. S. Hwy 431 E. of intersect.	1,066	25	8/3/99	F-2.0s
1038.1	Kivett Lane	Geigor Grade (SR 341)	Northeast of Toll Road	3,630	24	8/17/99	P-2.0
2022.4	Macow Lane	112 ft. East of Limkin Street	East side of Sand Piper	1,023	32	5/29/96	P-2.0
4010.4	Middle Fork Drive	East side of Sun Valley Drive	North side of 8th Avenue	2,197	28	7/13/98	P-2.0
4038.1	Jan Mar Court	East side of Yukon Drive	489 ft. east of Yukon Drive	489	26	7/13/98	P-2.0
4111.1	Rampion Way	30 ft. east of Sun Valley Drive	213 ft. east Leon Drive	1,515	38	7/14/98	P-2.0
5130.1	Rockwell Blvd.	North La Posada Drive	South side Sky Ranch Blvd.	3,024	36	8/3/99	P-2.0
5145.3	Sky Ranch Blvd.	54 ft. east Highway 445	West side Omni Drive	2,263	36	8/2/99	P-2.0
5145.4	Sky Ranch Blvd.	East side of Omni Drive	195 ft. of Marilyn Mae	1,428	36	8/2/99	P-2.0
5159.1	David James Blvd.	69 ft. west of Highway 445	East side of Robert Banks Blvd.	1,571	30	8/5/99	P-2.0
5159.2	David James Blvd.	West side of Robert James Blvd.	118 ft. Mirage Place	1,336	30	8/5/99	P-2.0
5329.2	Erin Drive	North side of Dolores Drive	South side of Robert Banks Blvd.	1,059	30	8/19/99	P-2.0
5345.1	Dolores Drive	69 ft. west of Highway 445	380 ft. west Robert Banks Blvd.	3,003	30	8/19/99	P-2.0
6041.1	Valley Springs Road	South side Zolezzi Lane	South side Laquardia Road	575	34	8/18/99	P-2.0
6041.2	Valley Springs Road	South side Laquardia Road	South side Cottonwood Road	597	26	8/18/99	P-2.0
6041.3	Valley Springs Road	South side of Cottonwood Road	170 ft. south side of Lampi Road	724	32	8/18/99	P-2.0
7231.1	Mogul Mountian Drive	E. side of Bitterbrush S. of Inters.	217 ft. east of Bitterbrush Road	1,110	33	6/30/99	P-2.0
7231.2	Mogul Mountian Drive	217 ft. East of Bitterbrush Road	205 ft. east Mule Deer Drive	1,436	39	6/30/99	P-2.0
7253.2	Bitter Brush Road	89 ft. south of Nightowl Drive	S. side of Mogul Mountian Drive	1,366	39	6/30/99	P-2.0
7277.1	Dog Valley Road	Northwest of Bridge Street	201 ft. west of Silver Fox Circle	1,825	29	6/29/99	P-2.0
3001.1	Side View Way	East Lake Blvd.	150 ft. south of Guffey Drive	1,611	24	7/28/99	P-2.0s
3002.1	Cotton Tail Lane	East of East Lake Blvd	East side of Chipmunk Drive	2,320	24	7/27/99	P-2.0s
3002.2	Cotton Tail Lane	West side East Lake Blvd	East side of Lakeshore Drive	1,200	25	7/27/99	P-2.0s

Section	Roadway Name	Beginning Point	End Point	Length (ft.)	Width (ft.)	Treatment Date	Treatment
3004.1	Skinner Drive	East side of Eastlake Blvd.	West side of Dunbar Drive	1,450	25	7/29/99	P-2.0s
3005.1	Dunbar Drive	North side of Spicer Street	Northeast side of Skinner Drive	2,708	24	7/29/99	P-2.0s
3006.1	Spicer Street	East side of Eastlake Blvd.	East of Dunbar Drive	1,053	24	7/29/99	P-2.0s
3007.1	Guffy Drive East	East side of Eastlake Blvd.	395 ft. east of Irving Place	1,395	24	7/28/99	P-2.0s
3008.1	Guffy Drive West	West side of Eastlake Blvd.	East side of Slide View Way	1,133	24	7/28/99	P-2.0s
4000.1	Barrel Springs Road	East side of Chimney Drive	382 ft. north of Rams Horn Road	634	27	7/10/98	P-2.0s
4005.1	Chimny Drive	184 ft. east of Leon Drive	168 ft. NW of Barrel Springs Road	1,768	31	7/11/98	P-2.0s
4006.2	Dutch Flat Road	30 ft. south of Dry Ford Road	295 ft. north of Little Ford Road	785	26	7/10/98	P-2.0s
4008.1	Dry Ford Road	West side of Dutch Flat Road	East side of Union Mills Road	385	26	7/10/98	P-2.0s
4014.1	Bathurst Drive	West side Middle Fork Drive	335 ft. west of Middle Fork Drive	335	27	7/10/98	P-2.0s
7110.1	Old Mt. Rose Highway	E. of Hwy 431 at the W. intersect.	25 ft. N. of Hwy 431 at E. intersec.	1,650	26	8/3/99	P-2.0s