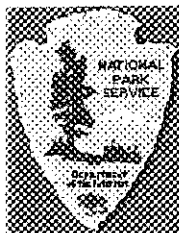
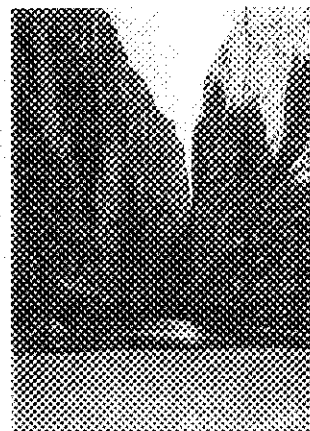


D-598

The Road Inventory for Big Bend National Park



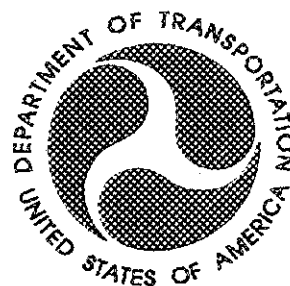
national park service



Road Inventory Program

Prepared By:

Federal Highway Administration
Eastern Federal Lands Highway Division
April 1999

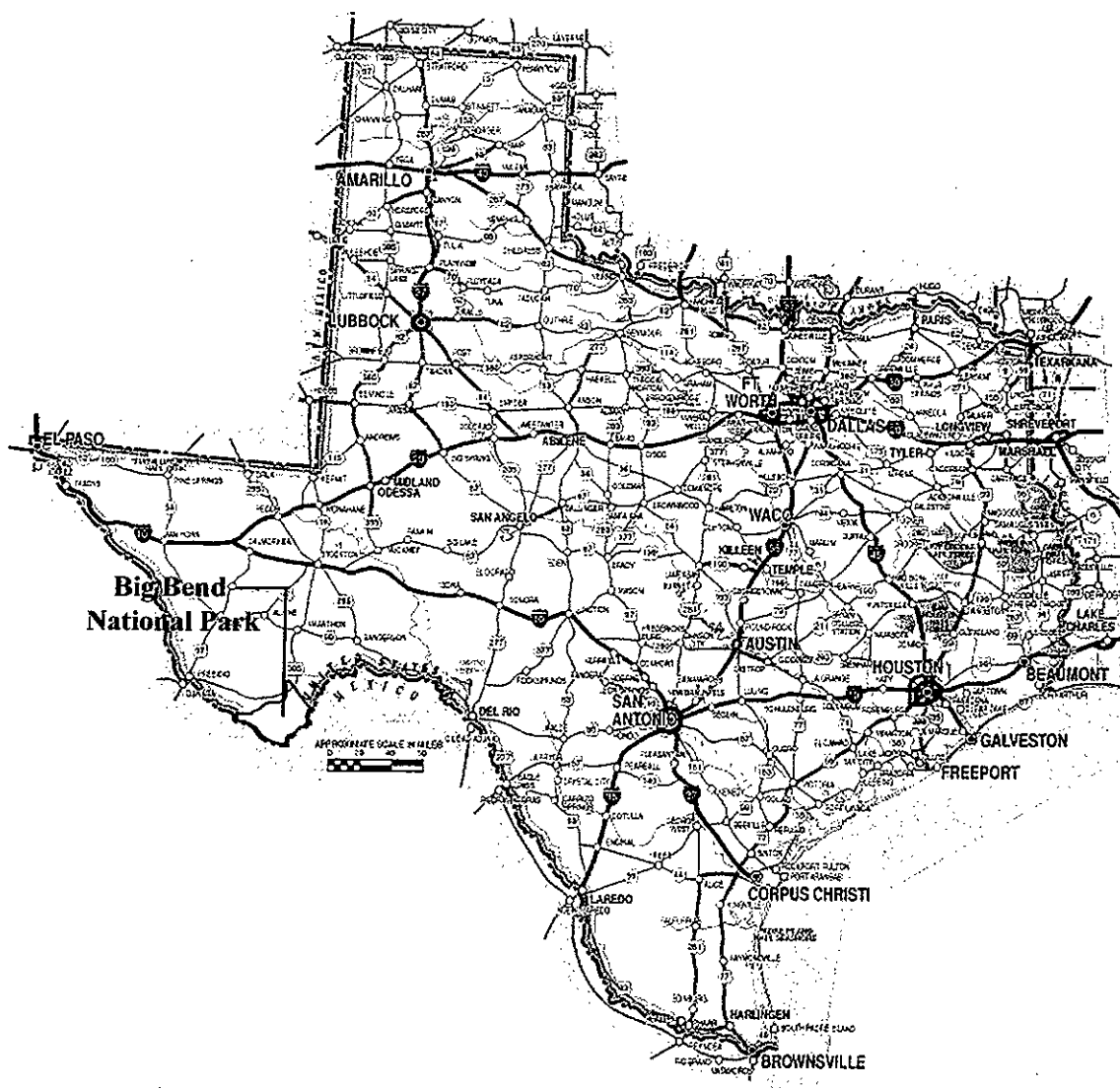


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NATIONAL PARK SERVICE

Big Bend National Park

in
Texas





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INTRODUCTION

Background: In July 1976, amended December 1980, The National Park Service (NPS) and the Federal Highway Administration (FHWA) entered into a Memorandum of Agreement (MOA), establishing the Road Inventory Program (RIP). The purpose of RIP, per the 1980 MOA, was to develop long range and short range costs and programs to bring NPS roads up to, or to maintain, designated standards; as well as provide a database so the NPS can revise their Maintenance Management System, if necessary.

Since 1984 the funding has been derived from the NPS FLHP (Title 23) planning funds and coordinated by the National Park Service Park Facility Management Division. The need for a total road information data base was mandated by the requirements for continuing, comprehensive, and coordinated (3-C) planning process and Maintenance Management System.

The Federal Lands Highway (FLH) was assigned the task to inventory maintenance items (pavement type and quantities; location of culverts, signs, guardrail, etc.), identify pavement distresses and evaluate the condition of existing park roads, summarize the data and findings in a report, and provide a videolog of the NPS roads system.

Objective: The objective of the RIP report is to provide NPS personnel at all levels with the basic information needed for effective road and road system planning, management, operations, and maintenance. This information will be documented in a Blue Book for each park, which will replace the old Brown Books.

The Blue Book reports will be in a standard format and content with comprehensive data analysis for each park. The data presented in each report will vary greatly from park to park, but the presentation of the report will be uniform in format. Therefore, the Blue Book will become a seamless document throughout the park system displaying site specific data for each park.

Scope: The Road Inventory Program is a national program coordinated by the FHWA for the NPS. The FHWA goal for the paved park roads is stated as "the quality, standard and condition of the paved portion of park roads and parkways that serves the resource goals of the National Park System does not deteriorate further over the next five years".

In an effort to track the condition of the park roads, per the FHWA goal, a cyclic data collection and reporting process was implemented for all parks and regions. Monitoring the condition and system performance of the paved roads over time using a percent good, fair, and poor condition rating provided a realistic means of assessing the funding needs for road improvements. The pavement condition rating system is described in Section XIII of this report. This pavement condition performance assessment will determine the level of paved park road deterioration throughout the park road system as identified in the FHWA goal.

The report will include a Park Summary, a Park Summary Map, a Park Route Inventory, a Maintenance Features Summary, a Paved Route Condition Rating and a Features

Inventory. Also included is a listing of all unpaved routes in each park and various Appendices.

The FHWA highway engineers and technicians inspect, rate, inventory the roads, and prepare the final White Book reports for distribution to the National Park Service. All the field work is coordinated with the site specific park and the regional offices to ensure customer satisfaction. The FHWA Washington office coordinates policy and prepares national reports and needs assessment studies to congress.

The FHWA is responsible for all the data presented in this report. Anyone having questions or comments regarding the contents of this report are encouraged to contact the FHWA RIP Coordinator or the NPS RIP Coordinator in your Cluster Support Office.

FHWA RIP Coordinator:

James A. Amenta
FHWA/EFLHD
Technical Services, HTS-15
21400 Ridgetop Circle
Sterling, VA 20166
(703) 285-0076

Big Bend National Park Summaries

Overall Park Mileage Summary

PARK TOTAL SUMMARY ITEMS	TOTAL	DATE
PAVED ROUTE MILES	123.11	4/99
UNPAVED ROUTE ESTIMATED MILES	207.55	4/99
PAVED AND UNPAVED ROUTE MILES	330.66	4/99
PARKING LOT LANE MILES	12.54	4/99
PAVED LANE MILES	258.75	4/99
DEFICIENT LANE MILES	24.46	4/99

Note: Paved and Deficient Lane Miles includes parking lot areas which have been converted to lane miles using an 11-foot lane width.

Estimated Unpaved Mileage Summary By Functional Class

F. C.	MILEAGE	PERCENTAGE
I	0	0%
II	152.06	73%
III	43.37	21%
IV	0	0%
V	12.02	6%
VI	0	0%
VII	0	0%
VIII	0	0%

Big Bend National Park Summaries

Cost to Improve to "Excellent" Condition

Based on Historic and Estimated Data

AWARD DATE	SOURCE	WORK PERFORMED	LENGTH (MILES)	COST	COST PER MILE	INITIAL CONDITION
1995-97	FHWA Projects	3-R (Resurfacing)	52.07	\$3,776,479	\$72,527	Good
1995-97	FHWA Projects	3-R (Resurfacing, Restoration, and Rehabilitation) Projects	12.80	\$3,252,902	\$254,133	Fair
1998	FHWA Current Projects	4-R (Resurfacing, Restoration, Rehabilitation, and Reconstruction) Projects	9.18	\$5,185,644	\$564,885	Poor

Based on the above table, the cost to improve existing condition miles to "Excellent" PCR are:

Existing Condition	Existing Miles	Estimated Cost to Improve
Excellent	24.30	\$0
Good	28.95	\$2,099,293
Fair	45.23	\$11,494,436
Poor	24.63	\$13,913,117
Totals	123.11	\$27,506,845

Big Bend National Park Summaries

Paved Route Miles and Percentages by Functional Class and PCR

F. C.	Pavement Condition Rating (PCR)								TOTAL MILES
	Excellent (95-100)		Good (85-94)		Fair (61-84)		Poor (<=60)		
	MILES	%	MILES	%	MILES	%	MILES	%	
I	22.60	21.14%	26.84	25.11%	40.82	38.18%	16.65	15.57%	106.91
II	1.58	22.80%	1.12	16.16%	0.25	3.61%	3.98	57.43%	6.93
III	0.04	0.81%	0.70	14.05%	2.68	54.20%	1.53	30.94%	4.95
IV	0.00	0.00%	0.00	0.00%	0.00	0.00%	0.00	0.00%	0.00
V	0.08	1.85%	0.29	6.71%	1.48	34.26%	2.47	57.18%	4.32
VI	0.00	0.00%	0.00	0.00%	0.00	0.00%	0.00	0.00%	0.00
VII	0.00	0.00%	0.00	0.00%	0.00	0.00%	0.00	0.00%	0.00
VIII	0.00	0.00%	0.00	0.00%	0.00	0.00%	0.00	0.00%	0.00
Totals	24.30	19.74%	28.95	23.51%	45.23	36.74%	24.63	20.01%	123.11

Includes paved roads visually rated that were not driven with the ARAN.

Paved Lane Miles (Parking Areas)

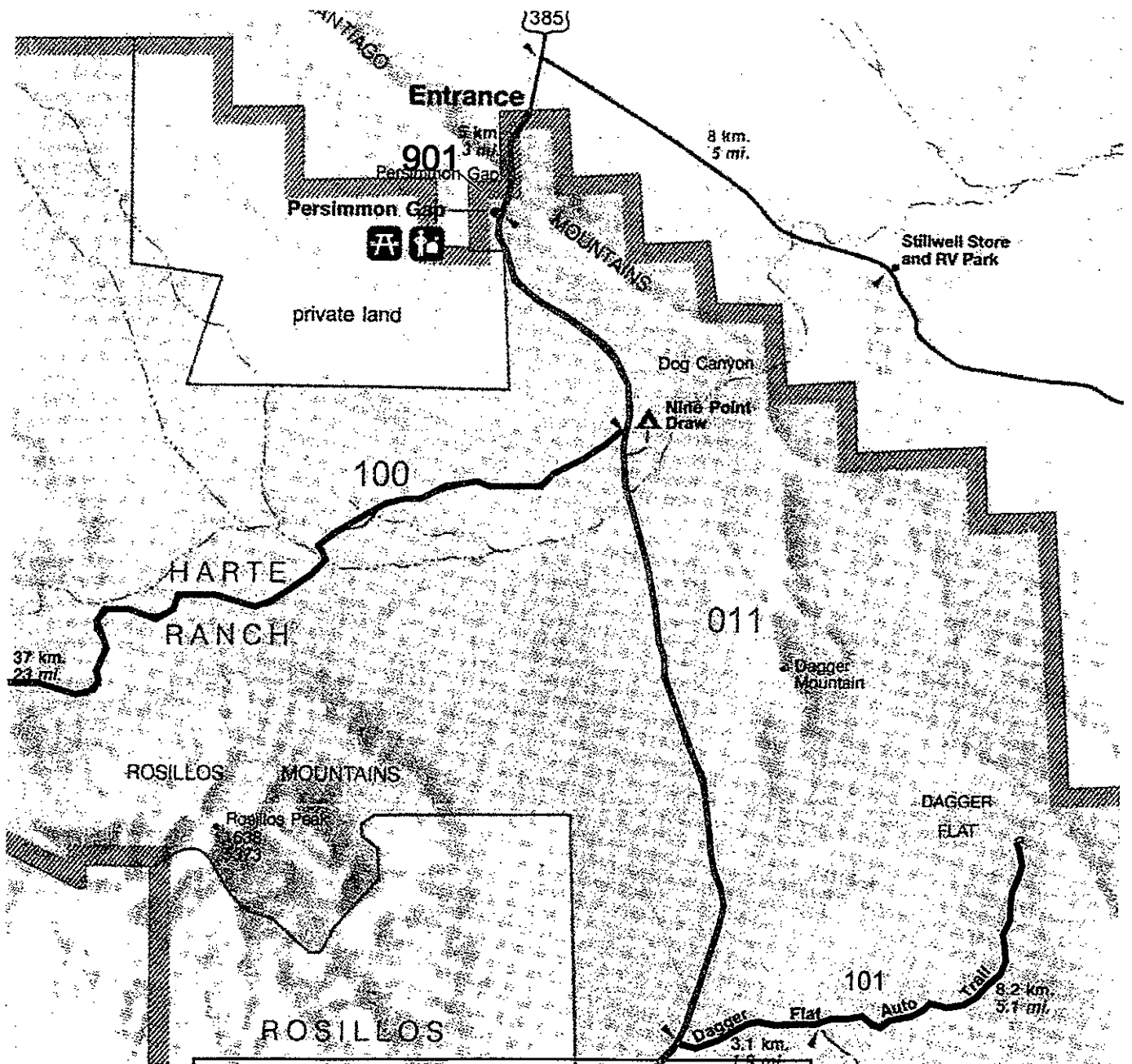
F. C.	Visual Condition Rating								TOTAL LANE MILES
	Excellent		Good		Fair		Poor		
	LANE MILES	%	LANE MILES	%	LANE MILES	%	LANE MILES	%	
-		0.00%	3.83	30.54%	8.70	69.38%	0.01	0.08%	12.54



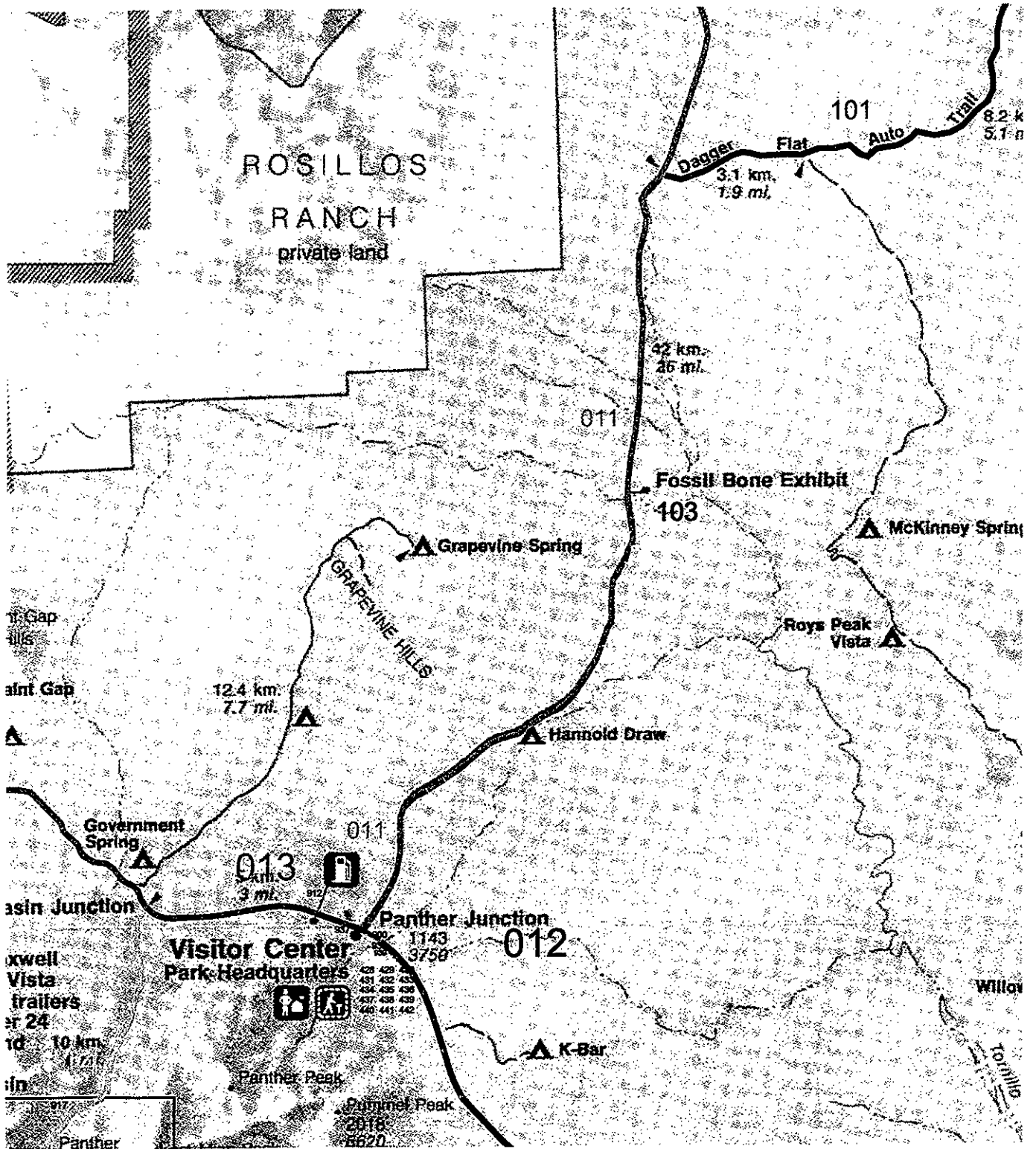
BIG BEND NATIONAL PARK

ROUTE LOCATION

AREA MAP #1



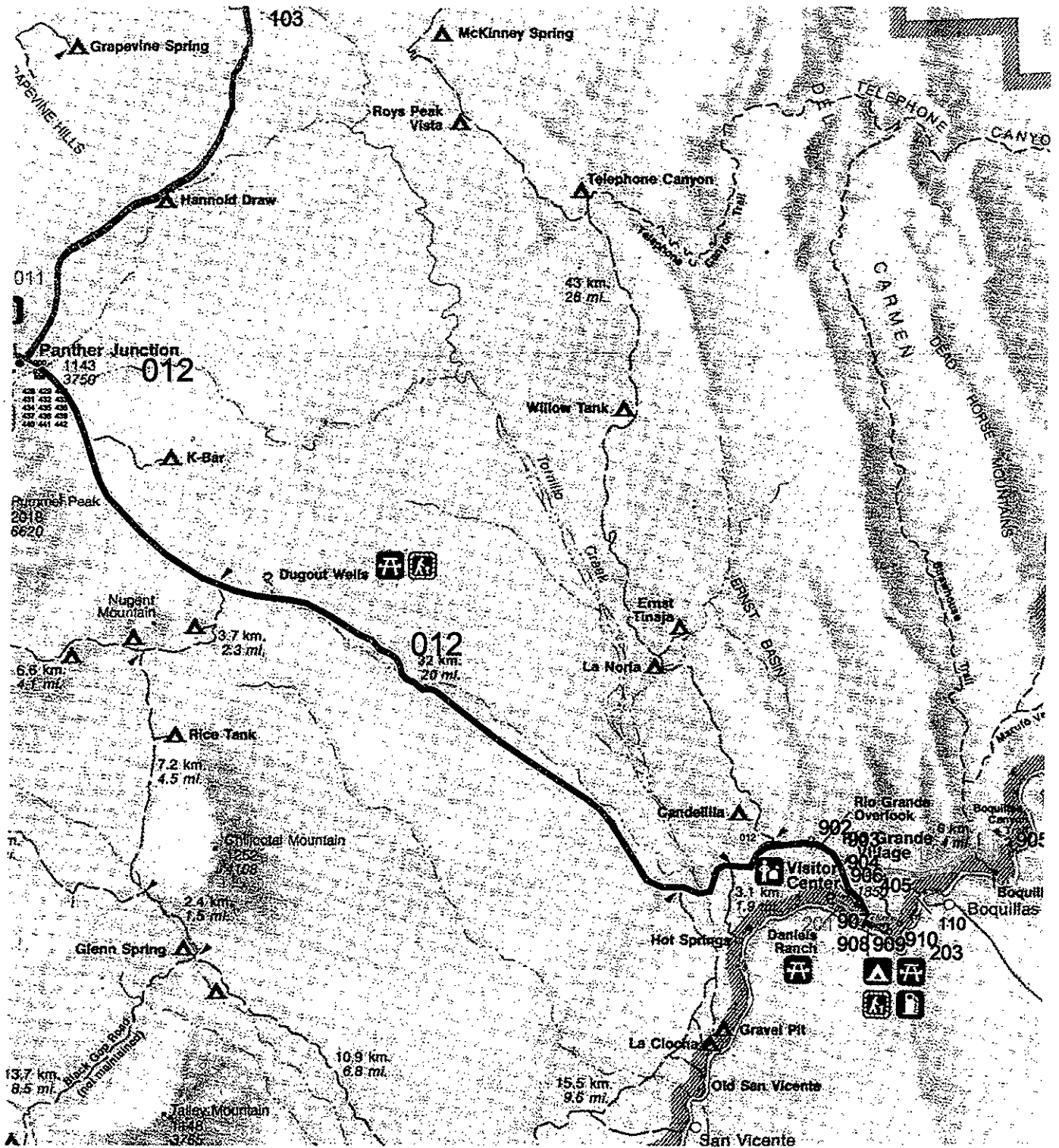
BIG BEND NATIONAL PARK ROUTE LOCATION AREA MAP #2



BIG BEND NATIONAL PARK

ROUTE LOCATION

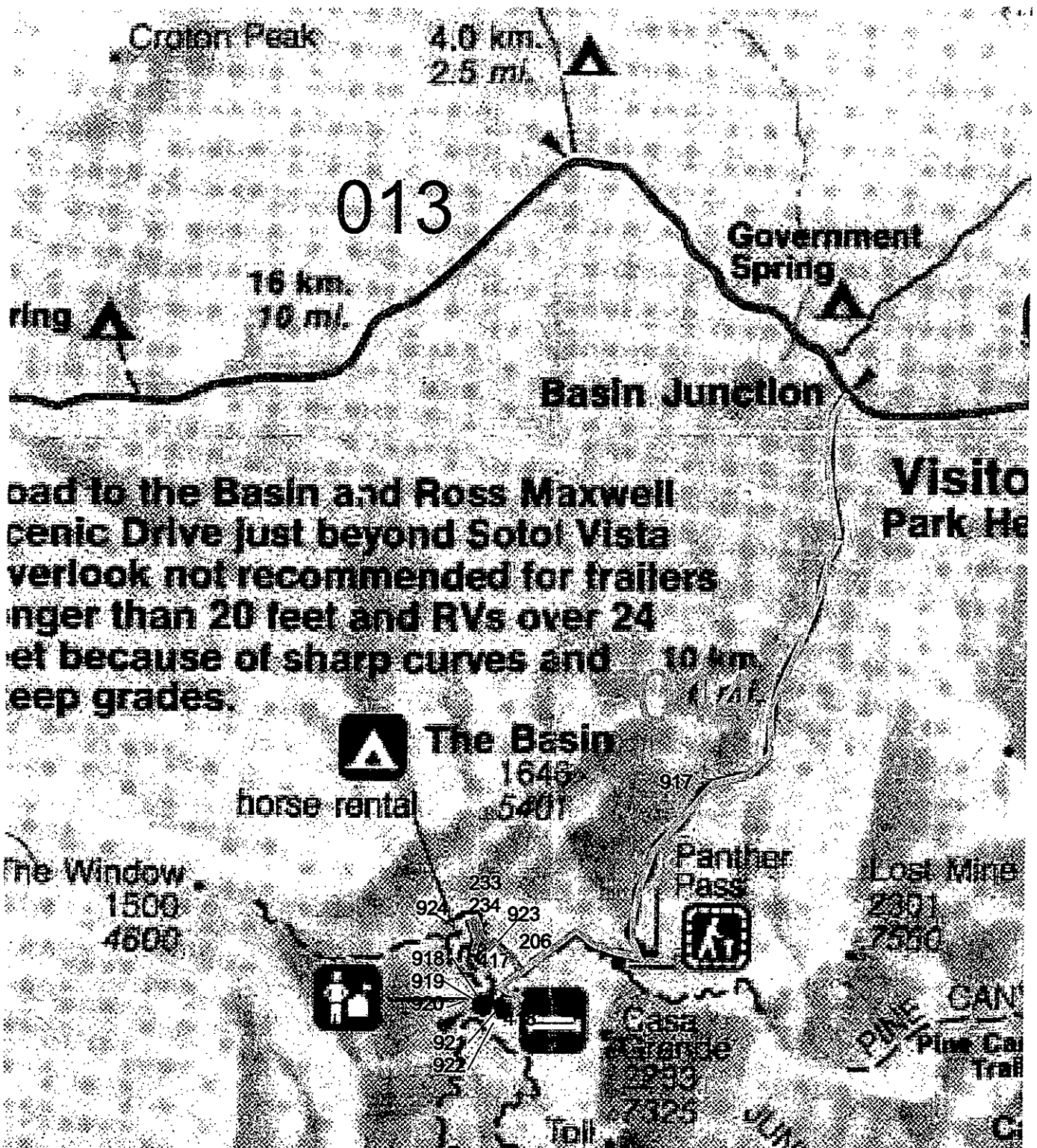
AREA MAP #3



BIG BEND NATIONAL PARK

ROUTE LOCATION

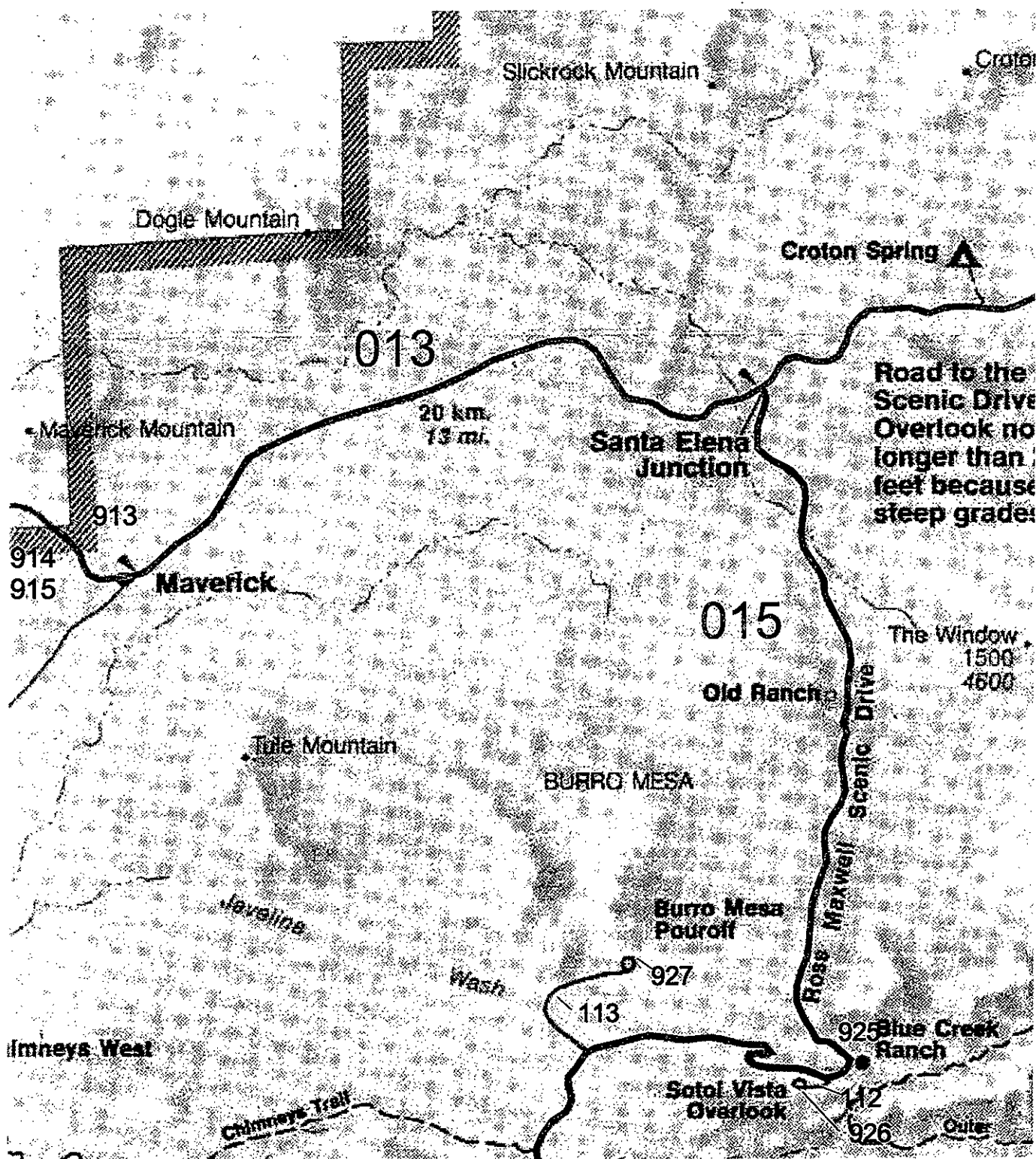
AREA MAP #4



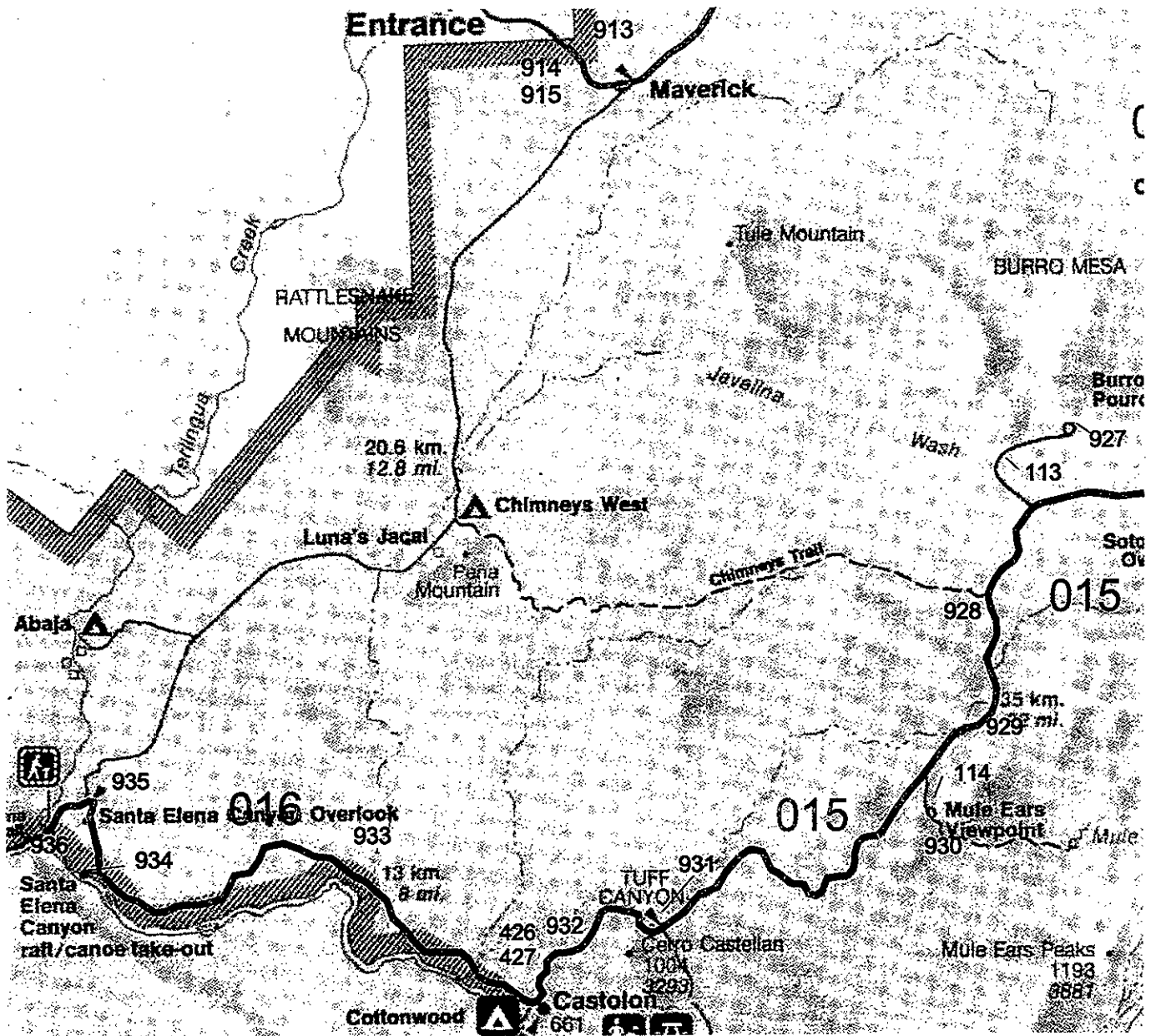
oad to the Basin and Ross Maxwell
cenic Drive just beyond Soto Vista
verlook not recommended for trailers
nger than 20 feet and RVs over 24
et because of sharp curves and
eep grades.

Visito
Park He

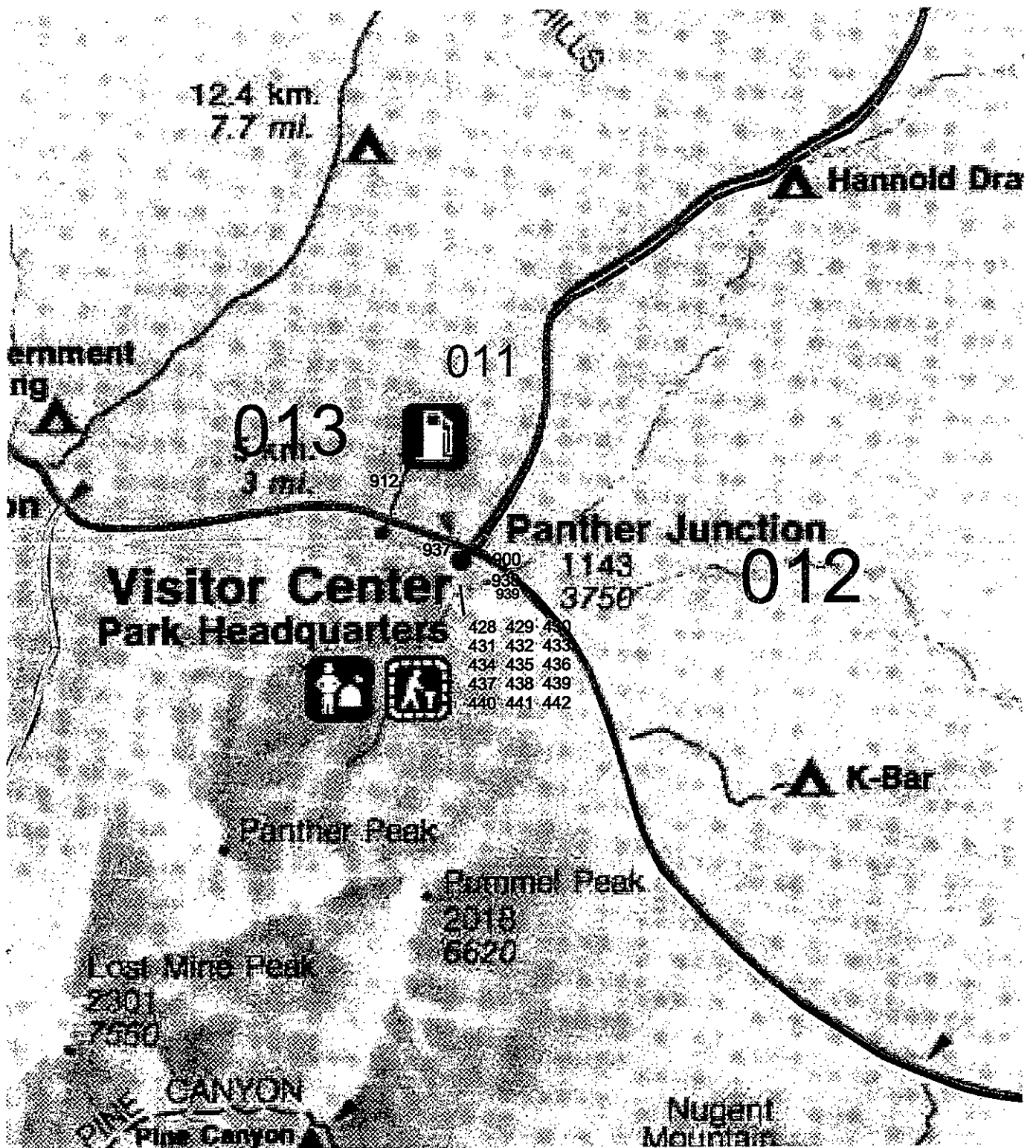
BIG BEND NATIONAL PARK ROUTE LOCATION AREA MAP #5



BIG BEND NATIONAL PARK ROUTE LOCATION AREA MAP #6



BIG BEND NATIONAL PARK ROUTE LOCATION AREA MAP #7



BIG BEND NATIONAL PARK

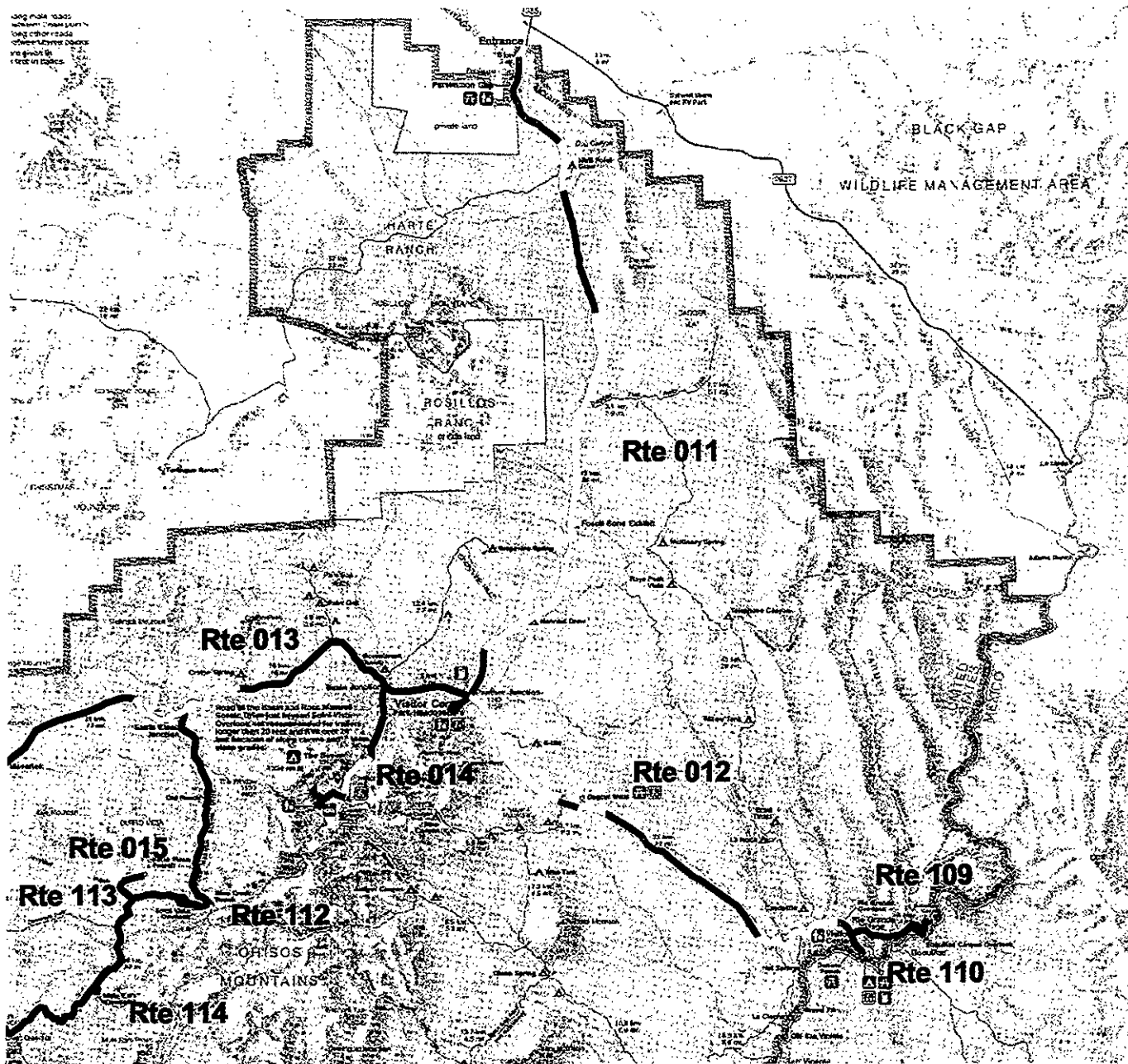
ROUTE CONDITION

KEY MAP

PCR/DCR - Mile by Mile

FUNCTIONAL CLASSIFICATION I, II, VII, VIII ROADS

Map scale 1:50,000
 1 inch = 1 mile
 1 centimeter = 0.625 miles
 1 kilometer = 0.625 miles
 1 mile = 1.6 kilometers



PCR Excellent

Good

Fair

Poor

DCR Poor

* If the PCR rating is not available for a section, the SCR rating will be displayed



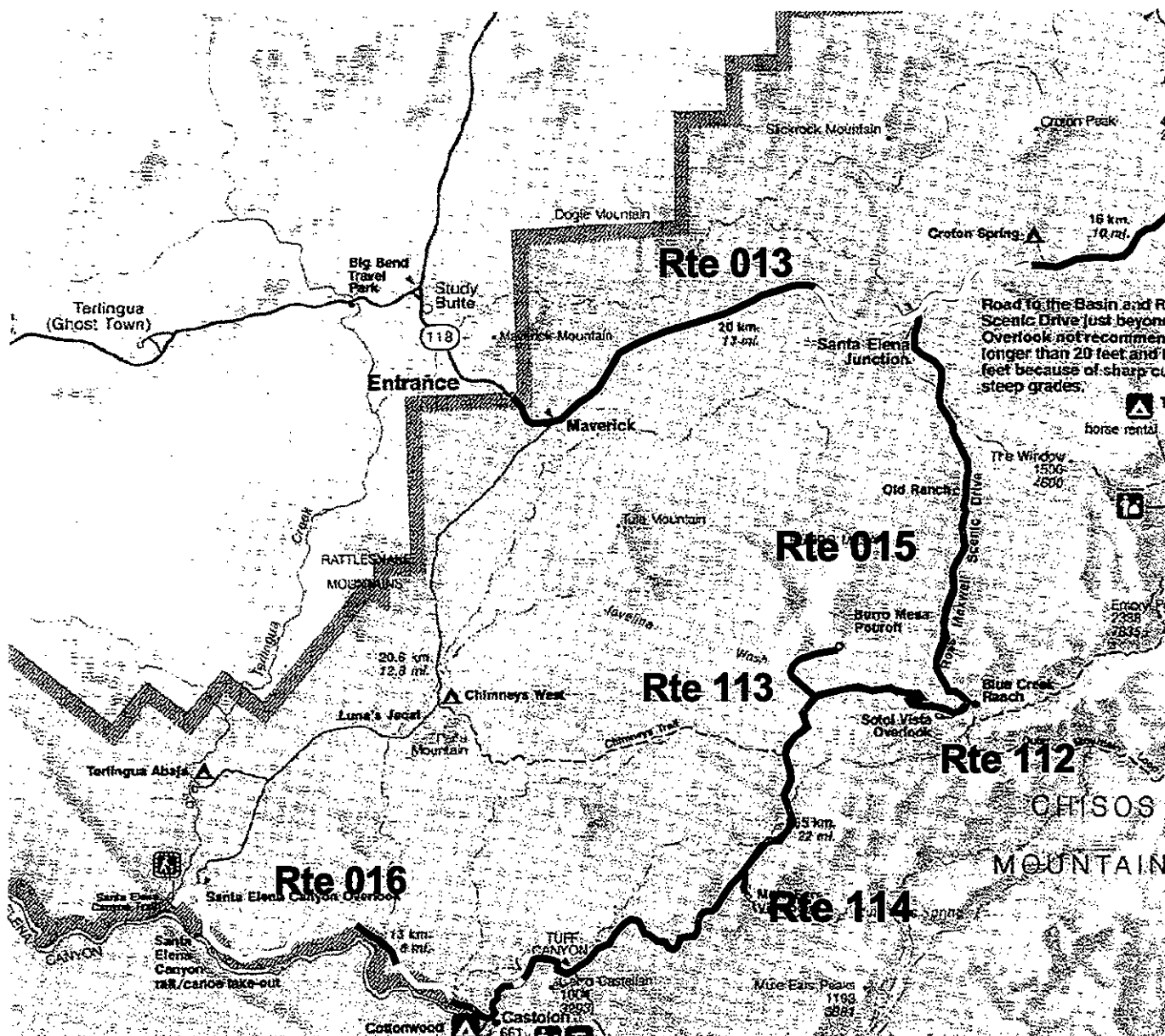
BIG BEND NATIONAL PARK

ROUTE CONDITION

KEY MAP

PCR/DCR - Mile by Mile

FUNCTIONAL CLASSIFICATION I, II, VII, VIII ROADS



PCR Excellent

Good

Fair

Poor

DCR Poor

* If the PCR rating is not available for a section, the SCR rating will be displayed

**BIG BEND NATIONAL PARK - BIBE - 7130
ROUTE IDENTIFICATION LIST (NUMERIC)**

Shading Color Key:

White = Paved Routes, ARAN Driven	Blue = All Paved Parking Areas
Grey = Paved Routes, ARAN not Driven	Green = All Unpaved Parking Areas
Yellow = Unpaved Routes, ARAN not Driven	Purple = Paved Routes-GPS & Aran

ROUTE ID	ROUTE DESCRIPTION	ROUTE ID	ROUTE DESCRIPTION	ROUTE ID	ROUTE DESCRIPTION	ROUTE ID	ROUTE DESCRIPTION
011	North Entrance Road	27.53	From Panther Junction to North Park Boundary	27.53		2	1
012	Rio Grande Road	20.32	From Panther Junction to Rio Grande Village	20.32		2	1
013	West Entrance Road	21.91	From Panther Junction to West Park Boundary	21.91		2	1
014	Chisos Basin Road	6.33	From Rte 013 South to Basin	6.33		2	1
015	Ross Maxwell Scenic Drive	23.26	From Int Rte 13 to Cottonwood Campground Road	23.26		2	1
016	Santa Elena Canyon Road	7.56	From Castolon Rd at Cottonwood Campground to End	7.56		2	1
100	Old Marathon Road	23.89	Rte 011 to North Boundary	23.89		2	2
101	Dagger Flat	7.73	Rte 011 East to end	7.73		2	2
102	Old Ore Road	27.35	From 012 to Rte 101	27.35		2	2
103	Fossil Bone Road	0.33	From Int Rte 11 to Parking Area	0.33		2	2
104	Glenn Springs	16.17	From Rte 012 to Rte 106	16.17		2	2
105	Dugout Wells	0.66		0.66		2	2
106	River Patrol Road	53.30	From Rte 015 to Rte 012	53.30		2	2
107	Hot Springs	1.91	From Rte 012 to Hot Springs Parking	1.91		2	2
109	Boquillas Canyon Road	3.60	From Int 012 to Parking Area	3.60		2	2
110	Boquillas Canyon Overlook	0.56	From Int 109 to End of Loop	0.56		2	2
111	Grapevine Hills	7.85	Rte 013 to spring	7.85		2	2
112	Sotol Vista Overlook Road	0.26	From Int Rte 015 to Loop (Rte 926)	0.26		2	2
113	Burro Mesa Pour-off Road	1.74	From Int Rte 015 to End of Loop (Rte 927)	1.74		2	2
114	Mule Ears Overlook Road	0.44	From Int Rte 015 to End of Loop (Rte 930)	0.44		2	2
115	Old Maverick Road	12.89	From Rte 016 to Rte 013	12.89		2	2
200	Quail Springs	0.25	From Rte 011 to gravel pit	0.25		1	3
201	Rio Grande Village Road	1.58	From Picnic Area To end of loop	1.58		2	3
202	Boquillas Crossing	0.41	From Rte 109 to parking	0.41		2	3
203	Rio Grande Village Campground	1.44	Campground off of Rte 201	1.44		2	3
204	Telegraph Canyon	0.38	From Rte 102 to end	0.04		1	3
206	Lower Basin Campground Rd.	0.62	From Rte 014 to Rte 400	0.62		2	3
207	Paint Gap	3.79	From Rte 013 to spring	3.79		2	3
208	Croton Spring	0.52	From Rte 013 to spring	0.52		2	3
210	Santa Elena Crossing	0.21	From Rte 015 to parking	0.21		2	3
211	Cottonwood Campground	0.82	From Rte 015 through campground	0.82		2	3
212	Terlingua Abaja Road	1.59	From Rte 115 to Gaging Station	1.59		2	3
213	Buenos Aires Road	0.60	From Rte 106 to South Boundry	0.60		2	3
215	Sierra Chino Road	1.05	From Rte 106 to South Boundry	1.05		2	3
216	Gauging Station Road	0.42	From Rte 106 to South Boundry	0.42		2	3
217	Johnson Ranch Road	0.37	From Rte 106 to South Boundry	0.37		2	3
220	Woodson / Pettits	4.50	From Rte 106 to South Boundry	4.50		2	3
221	Talley Place	5.99	From Rte 106 to South Boundry	5.99		2	3
223	Solfs Place	1.55	From Rte 106 to South Boundry	1.55		2	3
225	Rooney's Place	0.41	From Rte 106 to South Boundry	0.41		2	3
226	San Vicente	1.52	From Rte 106 to South Boundry	1.52		2	3
228	La Clocha	0.76	From Rte 106 to South Boundry	0.76		2	3
229	West Talley Mountain	8.76	From Rte 106 to Rte 104	8.76		2	3
230	Juniper Canyon	5.59	From Rte 104 to end	5.59		2	3
231	Robber's Roost	0.42	From Rte 230 to end	0.42		2	3
232	Pine Canyon	4.21	From Rte 104 to end	4.21		2	3
233	Class A Campground	0.91	Campground off Rte 206	0.91		1	3
234	Basin Group Campground	0.40	Group Campground off Rte 206	0.40		1	3
400	Persimmon Gap Ranch Rd	0.47	From Rte 011 west to park bdy	0.47		2	5
401	Rosillos Road	1.35	From Rte 011 west to park bdy	1.35		2	5
404	K-Bar Ranch	0.79	From Rte 012 to end	0.79		2	5
405	Rio Grande Residence Rd	0.36	From Int Rte 012 to Dead End	0.36		2	5
406	Rio Grande Spring Spur	1.23	From Rte 405 to Rte 201	1.23		2	5
407	Settling Basin Spur	0.25	From Rte 106 around loop	0.25		2	5
408	Vegetation Dump	0.20	From Rte 106 to end	0.20		1	5
411	Rio Grande Water Tank Road	0.87	From Rte 106 north to end	0.87		2	5
412	Rio Grande Village Dump	0.46	From Rte 109 to End	0.46		1	5
416	Lower Basin Lagoon Rd	0.60	From Rte 233 to lagoons	0.60		1	5
417	Basin Residence Road	0.13	From Rte 206 to end	0.13		1	5
418	Basin Residence Road behind Motel	0.07	From Rte 920 to end	0.07		1	5
419	Oak Springs Road	2.22	from Rte 015 to water tank	2.22		1	5
422	Cottonwood Pump-house Rd	0.19	From end of Rte 015 north to end of loop	0.19		1	5
423	Blue Creek Pit	0.48	From Rte 016 north	0.48		1	5
424	Smith Ranch Rd	2.91	From Rte 115 west to park boundry	2.91		1	5
426	Castolon Ranger Residence Rd.	0.46	From Rte 015 to maint. area	0.46		2	5
427	Castolon Ranger Residence Spur	0.80	From Rte 426 to end	0.80		1	5

BIG BEND NATIONAL PARK - BIBE - 7130
ROUTE IDENTIFICATION LIST (NUMERIC)

Shading Color Key:

White = Paved Routes, ARAN Driven	Blue = All Paved Parking Areas
Grey = Paved Routes, ARAN not Driven	Green = All Unpaved Parking Areas
Yellow = Unpaved Routes, ARAN not Driven	Purple = Paved Routes-GPS & Aran

Route ID	Route Name	Length (mi)	Description	Length (mi)	Notes	Notes
428	Alsate Avenue	0.52	From Rte 012 to maint. yard	0.52		2 5
429	Bobcat Loop	0.44	From Alsate Ave to Alsate Ave	0.44		2 5
430	Javelina Drive	0.12	From Alsate Ave to Bobcat Loop	0.12		2 5
431	Quail Run	0.03	From Bobcat Loop to end	0.03		2 5
432	Chuparosa	0.02	From Bobcat Loop to end	0.02		2 5
433	Tecolote Drive	0.34	From Alsate ave to Nolana Dr.	0.34		2 5
434	La Junta Circle	0.03		0.03		2 5
435	Ocotilla Loop	0.12	From Tecolote Dr to Nolana Dr	0.12		2 5
436	Nolana Drive	0.36	From Bobcat Loop to end	0.36		2 5
437	Chino Court	0.08	From Nolana Dr to end	0.08		2 5
438	Hoby Lane	0.09	From Nolana Dr to end	0.09		2 5
439	Paisano Place	0.10	From Nolana Dr to end	0.10		2 5
440	Panther Canyon Drive	0.16	From Nolana Dr to end	0.16		2 5
441	Desert Willow Street	0.05	From Nolana Dr to end	0.05		2 5
442	Mesquite Street	0.04	From Nolana Dr to end	0.04		2 5
900	Panther Junction Visitor Center		Intersection of Rte's 011, 012, & 013			
901	Persimmon Gap Ranger Station Parking		Off Rte 011, North Entrance			
902	Rio Grande Overlook Parking		Off Rte 012, East of Tunnel			
903	Rio Grande Village Maintenance		Unpaved			
904	Rio Grande Residence Parking		Lot at End of Rte 405			
905	Boquillas Canyon Trail Parking		End of Rte 109, Boquillas Canyon Rd.			
906	Rio Grande Visitor Center Parking		Lot off Rte 012, near Rio Grande Village			
907	Rio Grande Picnic Area		Picnic Area at beginning of Rte 201			
908	Rio Grande Trailer Parking		Parking off Rte 201			
909	Rio Grande Store Parking		Parking off Rte 201			
910	Rio Grande Amphitheater Parking		Parking off Rte 201			
912	Panther Junction Gas Station		Gas Station near Panther Junction			
913	Badlands Parking Area		Lot off Rte 013, near West Entrance			
914	Maverick Information Kiosk Parking		Lot off Rte 013, near West Entrance			
915	West Entrance Contact Station Parking		Lot off Rte 013, near West Contact Station			
917	Lost Mine Trail Parking		Parking off Rt 014			
918	Basin Ranger Station Parking		Lot at end of Rte 014			
919	Basin Visitors Center Parking		Lot at end of Rte 014			
920	Basin Motel Parking		Lot Behind Basin Hotel			
921	Chisos Mountain Lodge Parking		Lot next to Chisos Mtn. Lodge			
922	Chisos Cottage Parking		Parking Rd to Cottages			
923	Basin Amphitheater Parking		Amphitheater Parking off Rte 206			
924	Basin Stable Parking		Parking at end of Rte 206			
925	Blue Creek Overlook Parking		Parking off Rte 015			
926	Sotol Vista Overlook Parking		Lot at end of Rte 112, Sotol Vista Overlook Rd.			
927	Burno Mesa Pour-off Parking		Lot at end of Rte 113, Burno Mesa Pour-off Rd.			
928	Chimney Trails Parking		Parking off Rte 015			
929	Goat Mountain Parking		Interpretive Parking off Rte 015			
930	Mule Ears Overlook Parking		Lot at end of Rte 015, Mule Ears Overlook			
931	Tuff Canyon Overlook Parking		Parking off Rte 015			
932	Castolon Maintenance Parking		Lot at end of Rte 426, Castolon Ranger Res Rd.			
933	Desert Mountain Overlook		Parking off Rte 016			
934	Santa Elena Canyon River Access		Parking off Rte 016			
935	Santa Elena Canyon Overlook Parking		Parking off Rte 016			
936	Santa Elena Canyon Picnic Area		Parking at end of Rte 016			
937	Panther Junction School Parking		Off of Bobcat Loop			
938	Panther Junction Headquarters Parking		Off of Alsate Ave (Rte 428)			
939	Panther Junction Maintenance Parking		End of Alsate Ave			
1000	Animal Highways Int Pulloff					
1001	Chisos Mountain Int Pulloff					
1002	Sam Nail Int Pulloff					
1003	Fins of Fire Int Pulloff					
1004	The Camel Experiment Int Pulloff					
1005	Invisible Wildlife Int Pulloff					
1006	Vertical Scenery Int Pulloff					
1007	Chihuahuan Desert Int Pulloff		Unpaved			
1008	A Desert Grave Int Pulloff					
1009	Flash Flood Int Pulloff					
1010	Move a Mountain Int Pulloff		Unpaved			
1011	Boquillas Canyon Int Pulloff		Unpaved			
1012	Boquillas Mexico Int Pulloff		Unpaved			
1013	Bear and Mountain Lion Country Int Pulloff					
1014	Tree Zone Int Pulloff					

BIG BEND NATIONAL PARK - BIBB - 7130
ROUTE IDENTIFICATION LIST (ALPHABETIC)

Shading Color Key:

White = Paved Routes, ARAN Driven	Blue = All Paved Parking Areas
Gray = Paved Routes, ARAN not Driven	Green = All Unpaved Parking Areas
Yellow = Unpaved Routes, ARAN not Driven	Purple = Paved Routes-GPS & Aran

ROUTE	ROUTE NAME	ROUTE CL.	ROUTE DESCRIPTION	PAVED (MIS)	UNPAVED (MIS)	PAVED (MIS)	UNPAVED (MIS)
1008	A Desert Grave Int Pulloff						
428	Alsate Avenue	0.52	From Rte 012 to maint. yard	0.52		2	5
1000	Animal Highways Int Pulloff						
913	Badlands Parking Area		Lot off Rte 013, near West Entrance				
923	Basin Amphitheater Parking		Amphitheater Parking off Rte 206				
234	Basin Group Campground	0.40	Group Campground off Rte 206	0.40		1	3
920	Basin Motel Parking		Lot Behind Basin Hotel				
918	Basin Ranger Station Parking		Lot at end of Rte 014				
417	Basin Residence Road	0.13	From Rte 206 to end	0.13		1	5
418	Basin Residence Road behind Motel	0.07	From Rte 920 to end	0.07		1	5
924	Basin Stable Parking		Parking at end of Rte 206				
919	Basin Visitors Center Parking		Lot at end of Rte 014				
1013	Bear and Mountain Lion Country Int Pulloff						
925	Blue Creek Overlook Parking		Parking off Rte 015				
423	Blue Creek Pit	0.48	From Rte 016 north		0.48	1	5
429	Bobcat Loop	0.44	From Alsate Ave to Alsate Ave	0.44		2	5
1011	Boquillas Canyon Int Pulloff		Unpaved				
110	Boquillas Canyon Overlook	0.56	From Int 109 to End of Loop	0.56		2	2
109	Boquillas Canyon Road	3.60	From Int 012 to Parking Area	3.60		2	2
905	Boquillas Canyon Trail Parking		End of Rte 109, Boquillas Canyon Rd.				
202	Boquillas Crossing	0.41	From Rte 109 to parking		0.41	2	3
1012	Boquillas Mexico Int. Pulloff		Unpaved				
213	Buenos Aires Road	0.60	From Rte 106 to South Boundry		0.60	2	3
927	Burro Mesa Pouroff Parking		Lot at end of Rte 113, Burro Mesa Pouroff Rd.				
113	Burro Mesa Pouroff Road	1.74	From Int Rte 015 to End of Loop (Rte 927)	1.74		2	2
932	Castolon Maintenance Parking		Lot at end of Rte 426, Castolon Ranger Res Rd.				
426	Castolon Ranger Residence Rd.	0.46	From Rte 015 to maint. area	0.46		2	5
427	Castolon Ranger Residence Spur	0.80	From Rte 426 to end	0.80		1	5
1007	Chihuahuan Desert Int Pulloff		Unpaved				
928	Chimney Trails Parking		Parking off Rte 015				
437	Chino Court	0.08	From Nolana Dr. to end	0.08		2	5
014	Chisos Basin Road	6.33	From Rte 013 South to Basin	6.33		2	1
922	Chisos Cottage Parking		Parking Rd. to Cottages				
1001	Chisos Mountain Int Pulloff						
921	Chisos Mountain Lodge Parking		Lot next to Chisos Mtn. Lodge				
432	Chuparosa	0.02	From Bobcat Loop to end	0.02		2	5
233	Class A Campground	0.91	Campground off Rte 206	0.91		1	3
211	Cottonwood Campground	0.82	From Rte 015 through campground		0.82	2	3
422	Cottonwood Pumphouse Rd	0.19	From end of Rte 015 north to end of loop		0.19	1	5
208	Croton Spring	0.52	From Rte 013 to spring		0.52	2	3
101	Dagger Flat	7.73	Rte 011 East to end		7.73	2	2
933	Desert Mountain Overlook		Parking off Rte 016				
441	Desert Willow Street	0.05	From Nolana Dr. to end	0.05		2	5
105	Dugout Wells	0.66			0.66	2	2
1003	Fine of Fire Int Pulloff						
1009	Flash Flood Int Pulloff						
103	Fossil Bone Road	0.33	From Int Rte 111 to Parking Area	0.33		2	2
216	Gauging Station Road	0.42	From Rte 106 to South Boundry		0.42	2	3
104	Glenn Springs	16.17	From Rte 012 to Rte 106		16.17	2	2
929	Goat Mountain Parking		Interpretive Parking off Rte 015				
111	Grapevine Hills	7.85	Rte 013 to spring		7.85	2	2
438	Holly Lane	0.09	From Nolana Dr. to end	0.09		2	5
107	Hot Springs	1.91	From Rte 012 to Hot Springs Parking		1.91	2	2
1005	Invisible Wildlife Int Pulloff						
430	Javelina Drive	0.12	From Alsate Ave to Bobcat Loop	0.12		2	5
217	Johnson Ranch Road	0.37	From Rte 106 to South Boundry		0.37	2	3
230	Juniper Canyon	5.59	From Rte 104 to end		5.59	2	3
404	K-Bar Ranch	0.79	From Rte 012 to end		0.79	2	5
228	La Clocha	0.76	From Rte 106 to South Boundry		0.76	2	3
434	La Junta Circle	0.03		0.03		2	5
917	Lost Mine Trail Parking		Parking off Rte 014				
206	Lower Basin Campground Rd.	0.62	From Rte 014 to Rte 400	0.62		2	3
416	Lower Basin Lagoon Rd	0.60	From Rte 233 to lagoons		0.60	1	5
914	Maverick Information Kiosk Parking		Lot off Rte 013, near West Entrance				
442	Mesquite Street	0.04	From Nolana Dr. to end	0.04		2	5
1010	Move a Mountain Int Pulloff		Unpaved				
930	Mule Ears Overlook Parking		Lot at end of Rte 015, Mule Ears Overlook				
114	Mule Ears Overlook Road	0.44	From Int Rte 015 to End of Loop (Rte 930)	0.44		2	2

BIG BEND NATIONAL PARK - BIBE - 7130
ROUTE IDENTIFICATION LIST (ALPHABETIC)

Shading Color Key:

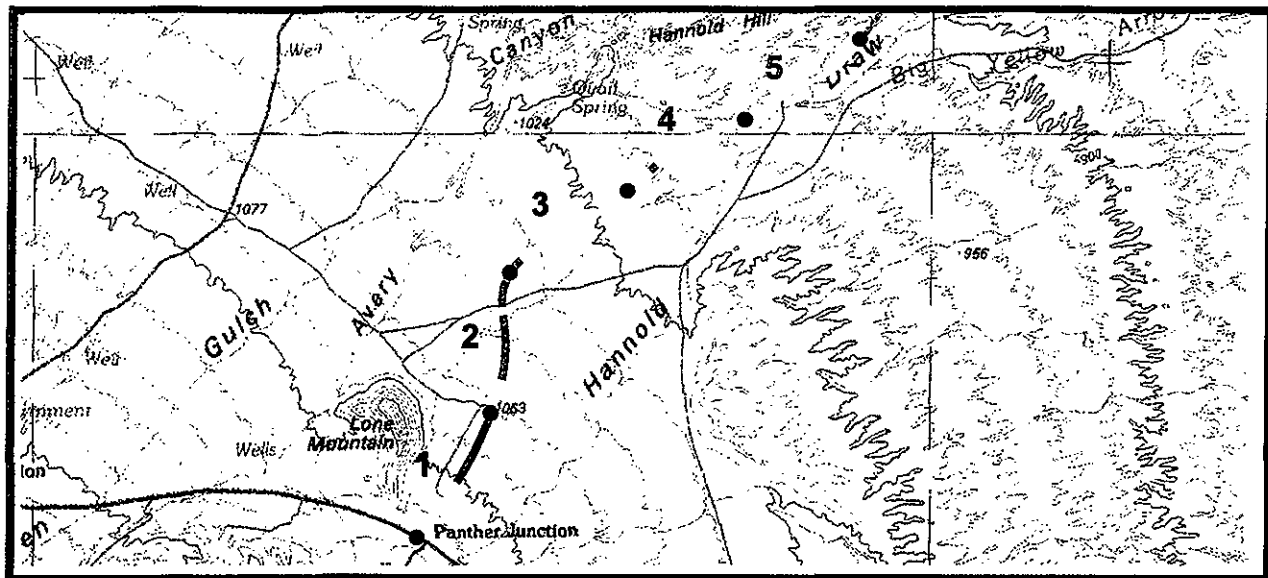
White = Paved Routes, ARAN Driven	Blue = All Paved Parking Areas
Grey = Paved Routes, ARAN not Driven	Green = All Unpaved Parking Areas
Yellow = Unpaved Routes, ARAN not Driven	Purple = Paved Routes-GPS & Aran

ROUTE	ROUTE NAME	ROUTE ID	ROUTE DESCRIPTION	PAVED MILES	UNPAVED MILES	LANES	RMS CLASS
436	Nolina Drive	0.36	From Bobcat Loop to end	0.36		2	5
011	North Entrance Road	27.53	From Panther Junction to North Park Boundary	27.53		2	1
419	Oak Springs Road	2.22	from Rte 015 to water tank		2.22	1	5
435	Ocotilla Loop	0.12	From Tecolote Dr to Nolina Dr	0.12		2	5
100	Old Marathon Road	23.89	Rte 011 to North Boundary		23.89	2	2
115	Old Maverick Road	12.89	From Rte 016 to Rte 013		12.89	2	2
102	Old Ore Road	27.35	From 012 to Rte 101		27.35	2	2
207	Paint Gap	3.79	From Rte 013 to spring		3.79	2	3
439	Paisano Place	0.10	From Nolina Dr to end	0.10		2	5
440	Panther Canyon Drive	0.16	From Nolina Dr to end	0.16		2	5
912	Panther Junction Gas Station		Gas Station near Panther Junction				
938	Panther Junction Headquarters Parking		Off of Alsate Ave (Rte 428)				
939	Panther Junction Maintenance Parking		End of Alsate Ave				
937	Panther Junction School Parking		Off of Bobcat Loop				
900	Panther Junction Visitor Center		Intersection of Rte's 011, 012, & 013				
400	Persimmon Gap Ranch Rd	0.47	From Rte 011 west to park bdy		0.47	2	5
901	Persimmon Gap Ranger Station Parking		Off Rte 011, North Entrance				
232	Pine Canyon	4.21	From Rte 104 to end		4.21	2	3
431	Quail Run	0.03	From Bobcat Loop to end	0.03		2	5
200	Quail Springs	0.25	From Rte 011 to gravel pit		0.25	1	3
910	Rio Grande Amphitheater Parking		Parking off Rte 201				
902	Rio Grande Overlook Parking		Off Rte 012, East of Tunnel				
907	Rio Grande Picnic Area		Picnic Area at beginning of Rte 201				
904	Rio Grande Residence Parking		Lot at End of Rte 405				
405	Rio Grande Residence Rd	0.36	From Int Rte 012 to Dead End	0.36		2	5
012	Rio Grande Road	20.32	From Panther Junction to Rio Grande Village	20.32		2	1
406	Rio Grande Spring Spur	1.23	From Rte 405 to Rte 201		1.23	2	5
909	Rio Grande Store Parking		Parking off Rte 201				
908	Rio Grande Trailer Parking		Parking off Rte 201				
203	Rio Grande Village Campground	1.44	Campground off of Rte 201	1.44		2	3
412	Rio Grande Village Dump	0.46	From Rte 109 to End		0.46	1	5
903	Rio Grande Village Maintenance		Unpaved				
201	Rio Grande Village Road	1.58	From Picnic Area To end of loop	1.58		2	3
906	Rio Grande Visitor Center Parking		Lot off Rte 012, near Rio Grande Village				
411	Rio Grande Water Tank Road	0.87	From Rte 106 north to end		0.87	2	5
106	River Patrol Road	53.30	From Rte 015 to Rte 012		53.30	2	2
231	Robber's Roost	0.42	From Rte 230 to end		0.42	2	3
225	Rooney's Place	0.41	From Rte 106 to South Boundry		0.41	2	3
401	Rosillos Road	1.35	From Rte 011 west to park bdy		1.35	2	5
015	Ross Maxell Scenic Drive	23.26	From Int Rte 13 to Cottonwood Campground Road	23.26		2	1
1002	Sam Nail Int Pulloff						
226	San Vicente	1.52	From Rte 106 to South Boundry		1.52	2	3
935	Santa Elena Canyon Overlook Parking		Parking off Rte 016				
936	Santa Elena Canyon Picnic Area		Parking at end of Rte 016				
934	Santa Elena Canyon River Access		Parking off Rte 016				
016	Santa Elena Canyon Road	7.56	From Castalon Rd at Cottonwood Campground to End	7.56		2	1
210	Santa Elena Crossing	0.21	From Rte 015 to parking		0.21	2	3
407	Settling Basin Spur	0.25	From Rte 106 around loop		0.25	2	5
215	Sierra Chino Road	1.05	From Rte 106 to South Boundry		1.05	2	3
424	Smith Ranch Rd	2.91	From Rte 115 west to park boundry		2.91	1	5
223	Solis Place	1.55	From Rte 106 to South Boundry		1.55	2	3
926	Sotol Vista Overlook Parking		Lot at end of Rte 112, Sotol Vista Overlook Rd.				
112	Sotol Vista Overlook Road	0.26	From Int Rte 015 to Loop (Rte 926)	0.26		2	2
221	Talley Place	5.99	From Rte 106 to South Boundry		5.99	2	3
433	Tecolote Drive	0.34	From Alsate ave to Nolina Dr.	0.34		2	5
204	Telegraph Canyon	0.38	From Rte 102 to end		0.04	1	3
212	Terlingua Abaja Road	1.59	From Rte 115 to Gaging Station		1.59	2	3
1004	The Camel Experiment Int Pulloff						
1014	Tree Zone Int Pulloff						
931	Tuff Canyon Overlook Parking		Parking off Rte 015				
408	Vegetation Dump	0.20	From Rte 106 to end		0.20	1	5
1006	Vertical Scenery Int Pulloff						
915	West Entrance Contact Station Parking		Lot off Rte 013, near West Contact Station				
013	West Entrance Road	21.91	From Panther Junction to West Park Boundary	21.91		2	1
229	West Talley Mountain	8.76	From Rte 106 to Rte 104		8.76	2	3
220	Woodson / Pettis	4.50	From Rte 106 to South Boundry		4.50	2	3

CONDITION RATING SHEETS - NOTES

All traffic data included in the following Condition Rating Sheets, Seasonal Average Daily Traffic (SADT) and Annual Average Daily Traffic (AADT), is reported for the year, 1996.

For a summary of data collection procedures, please refer to the Operations Manual, available upon request from the NPS RIP Coordinator in your Cluster Support Office.



PCR Excellent Good Fair Poor DCR Poor

* If the PCR rating is not available for a section, the SCR rating will be displayed

Southwest Region
BIBE

ROUTE: 011 North Entrance Road

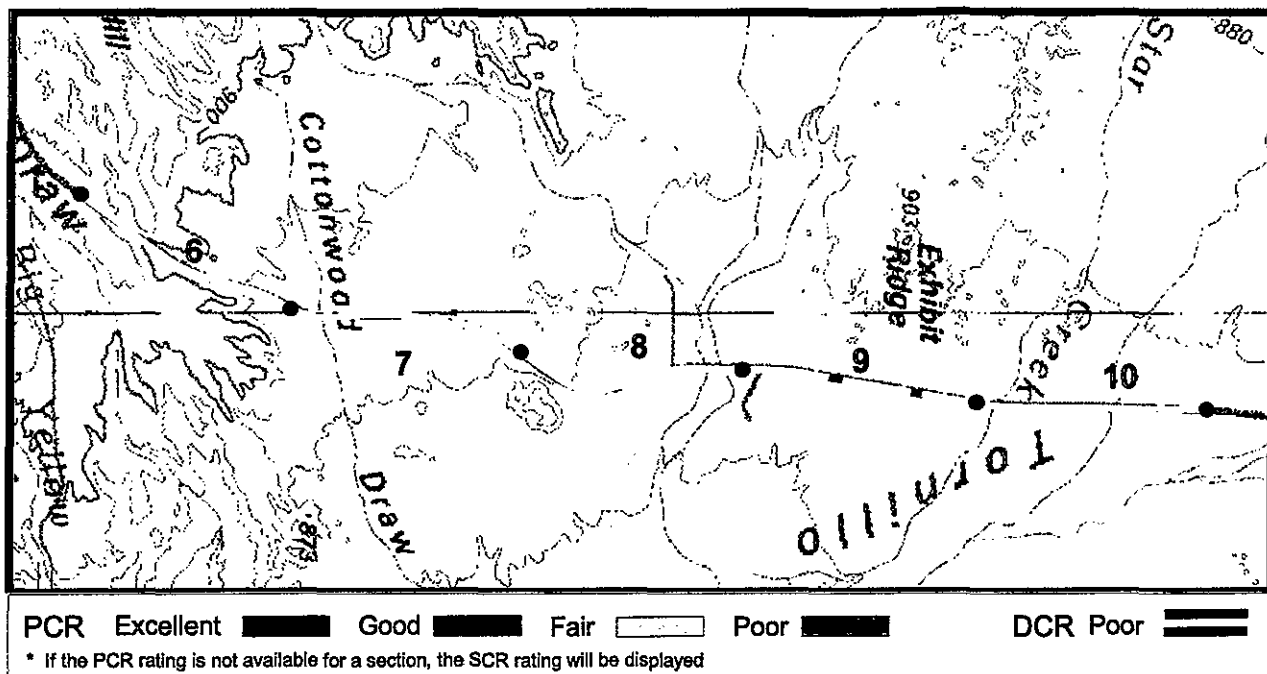
TOTAL LENGTH: 27.53 Miles

Section Number	1	2	3	4	5
Section Length (mi)	1.00	1.00	1.00	1.00	1.00
AADT	218	218	218	218	218
SADT	257	257	257	257	257
ADT Date	0994	0994	0994	0994	0994
Cross Section Information					
Number of Lanes	2	2	2	2	2
Paved Width (ft)	24	22	22	22	22
Lane Width (ft)	12	11	11	11	11
Shoulder Width (ft)	5	5	5	5	5
Roadway Condition Information					
PCR (Pavement Condition Rating)	60	58	66	71	79
Roughness Index	64	64	63	68	70
SCR (Surface Condition Rating)	57	53	69	73	84
Alligator Cracking	99	99	100	100	100
Rutting Index	86	86	84	85	86
Patching Index	100	100	100	100	100
Transverse Cracking	76	73	86	90	99
Longitudinal Cracking	97	96	98	99	100
Shoulder Condition Rating	Good	Good	Good	Good	Good
Drainage Condition Rating	Good	Good	Good	Good	Good

COMMENTS:

MP 0.0 Begin at intersection of Rtes 12 & 13 - Pic 1888
 MP 0.5 Pic 1889 - raveling chip seal
 MP 1.06 - Intersection left - Lone Mtn Road
 MP 4.75 - Intersection right - Hannold Draw

ROUTE: 011 North Entrance Road



Southwest Region
BIBE

ROUTE: 011 North Entrance Road

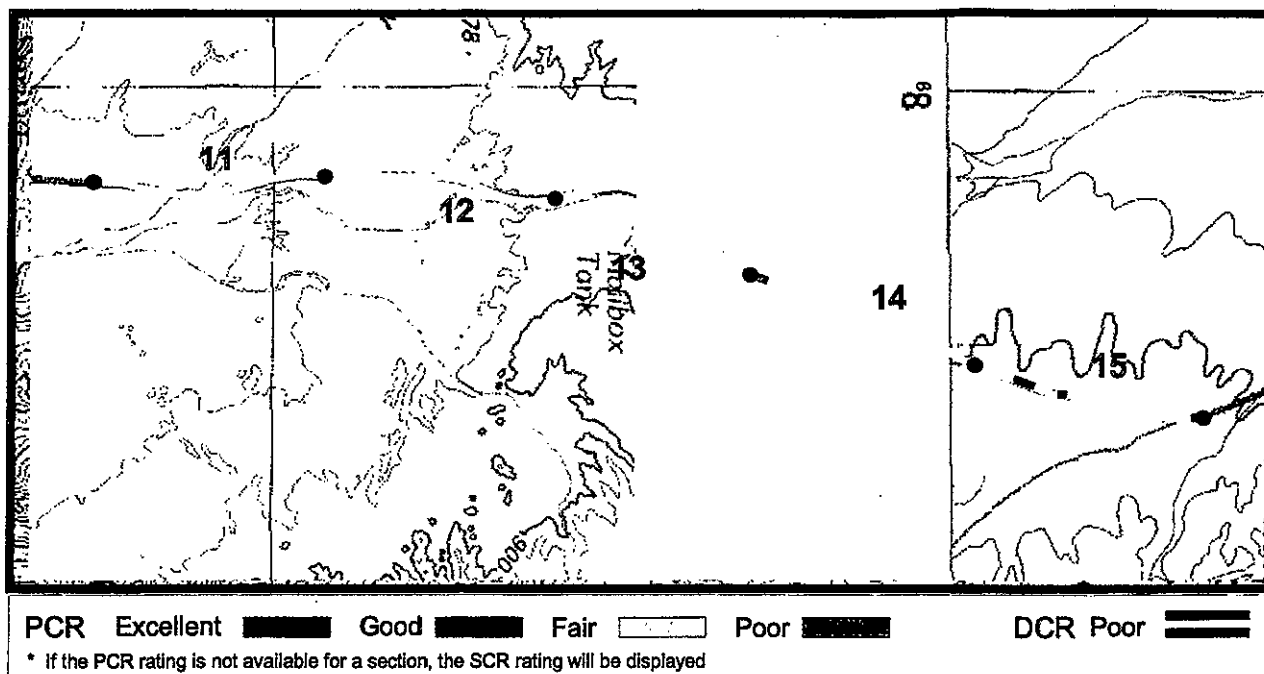
TOTAL LENGTH: 27.53 Miles

Section Number	6	7	8	9	10
Section Length (mi)	1.00	1.00	1.00	1.00	1.00
AADT	218	218	218	218	218
SADT	257	257	257	257	257
ADT Date	0994	0994	0994	0994	0994
Cross Section Information					
Number of Lanes	2	2	2	2	2
Paved Width (ft)	22	22	22	22	22
Lane Width (ft)	11	11	11	11	11
Shoulder Width (ft)	5	5	5	5	5
Roadway Condition Information					
PCR (Pavement Condition Rating)	74	76	72	82	79
Roughness Index	63	67	67	85	84
SCR (Surface Condition Rating)	82	83	76	79	76
Alligator Cracking	100	100	100	100	100
Rutting Index	87	87	90	95	93
Patching Index	100	100	100	100	100
Transverse Cracking	96	98	89	90	87
Longitudinal Cracking	100	100	100	100	100
Shoulder Condition Rating	Good	Good	Good	Good	Good
Drainage Condition Rating	Good	Good	Good	Good	Good

COMMENTS:

MP 7.74 - Intersection left - unpaved road
MP 7.81 - Photo 1890 - begin bridge
MP 8.09 - Fossil Bone - Rte 103

ROUTE: 011 North Entrance Road



Southwest Region
BIBE

ROUTE: 011 North Entrance Road

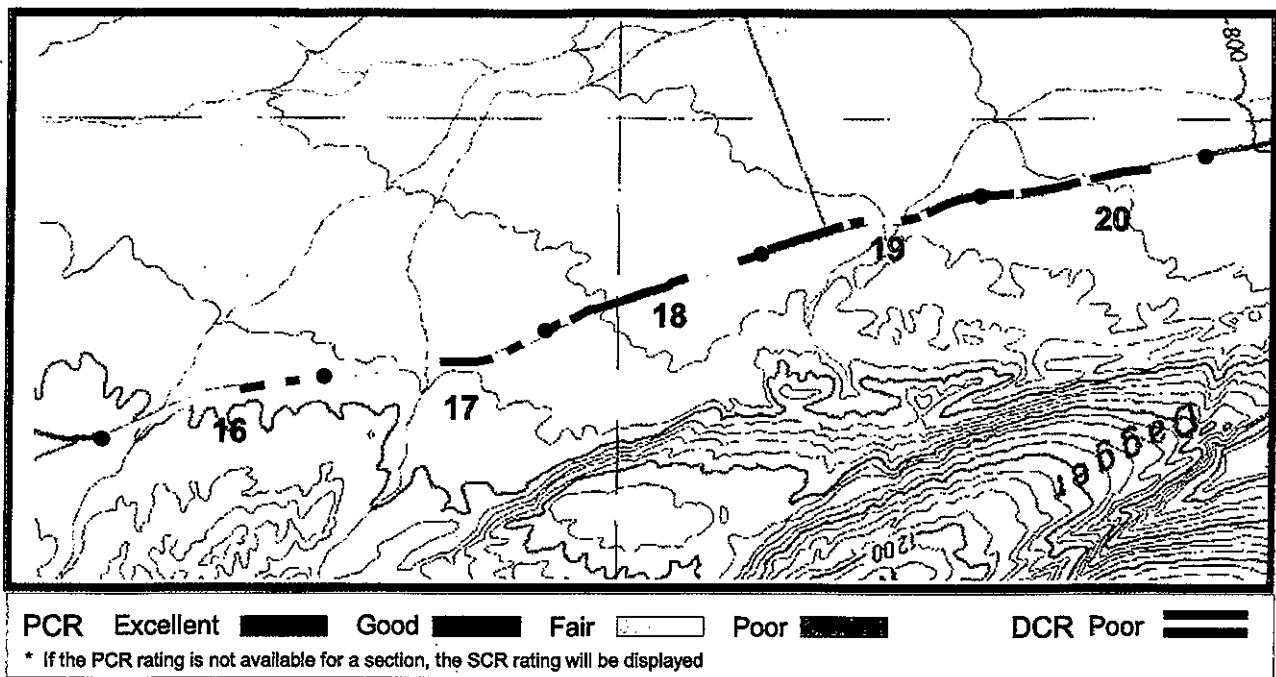
TOTAL LENGTH: 27.53 Miles

Section Number	11	12	13	14	15
Section Length (mi)	1.00	1.00	1.00	1.00	1.00
AADT	218	218	218	218	293
SADT	257	257	257	257	328
ADT Date	0994	0994	0994	0994	0994
Cross Section Information					
Number of Lanes	2	2	2	2	2
Paved Width (ft)	22	22	22	22	22
Lane Width (ft)	11	11	11	11	11
Shoulder Width (ft)	5	5	5	5	5
Roadway Condition Information					
PCR (Pavement Condition Rating)	78	79	73	76	80
Roughness Index	79	86	75	76	84
SCR (Surface Condition Rating)	78	75	72	75	77
Alligator Cracking	100	100	100	100	100
Rutting Index	94	93	93	92	93
Patching Index	100	100	100	100	100
Transverse Cracking	89	87	85	88	89
Longitudinal Cracking	100	100	98	99	100
Shoulder Condition Rating	Good	Good	Good	Good	Good
Drainage Condition Rating	Good	Good	Good	Good	Good

COMMENTS:

MP 12.52 - Intersection left - Rosillos Road
MP 12.68 - Intersection right - Dagger Flats
MP Photo 1891 - Typical Section

ROUTE: 011 North Entrance Road



Southwest Region
BIBE

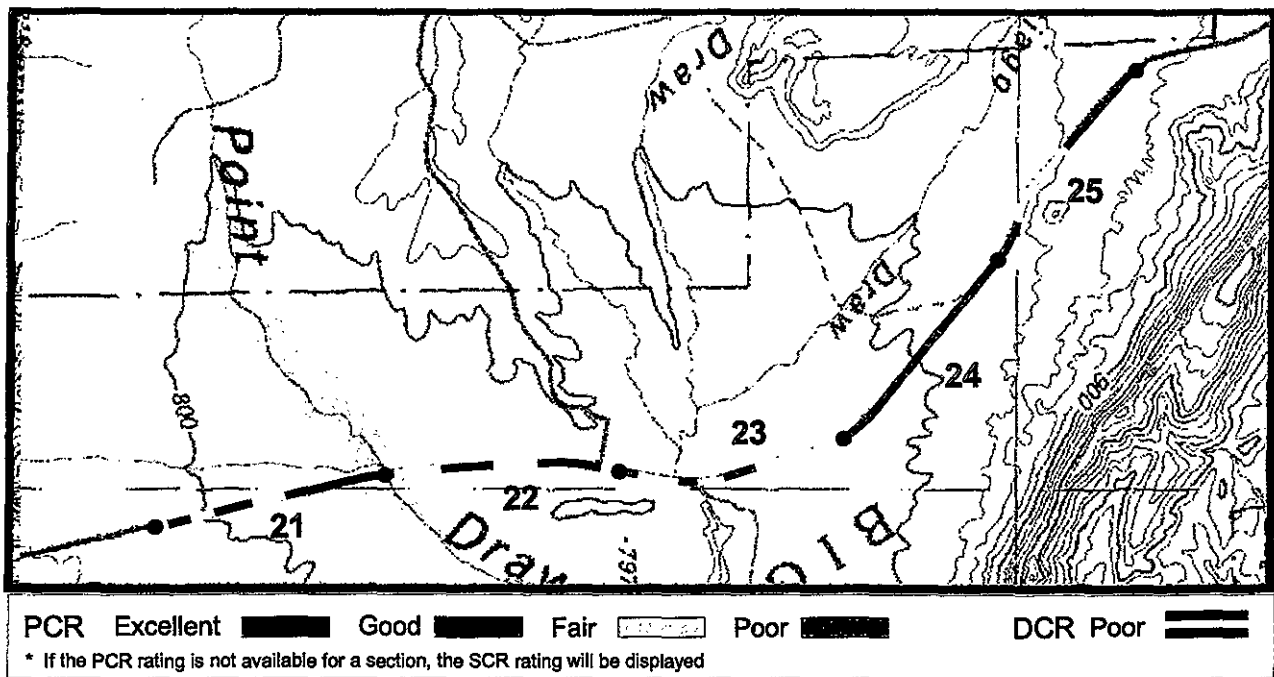
ROUTE: 011 North Entrance Road

TOTAL LENGTH: 27.53 Miles

Section Number	16	17	18	19	20
Section Length (mi)	1.00	1.00	1.00	1.00	1.00
AADT	293	293	293	293	293
SADT	328	328	328	328	328
ADT Date	0994	0994	0994	0994	0994
Cross Section Information					
Number of Lanes	2	2	2	2	2
Paved Width (ft)	22	22	22	22	22
Lane Width (ft)	11	11	11	11	11
Shoulder Width (ft)	5	5	5	5	5
Roadway Condition Information					
PCR (Pavement Condition Rating)	81	79	85	86	85
Roughness Index	84	86	85	84	82
SCR (Surface Condition Rating)	78	73	85	87	87
Alligator Cracking	100	100	100	100	100
Rutting Index	92	95	92	93	94
Patching Index	100	100	100	100	100
Transverse Cracking	90	85	97	98	98
Longitudinal Cracking	100	99	100	100	100
Shoulder Condition Rating	Good	Good	Good	Good	Good
Drainage Condition Rating	Good	Good	Good	Good	Good

ROUTE: 011 North Entrance Road

COMMENTS:



Southwest Region
BIBE

ROUTE: 011 North Entrance Road

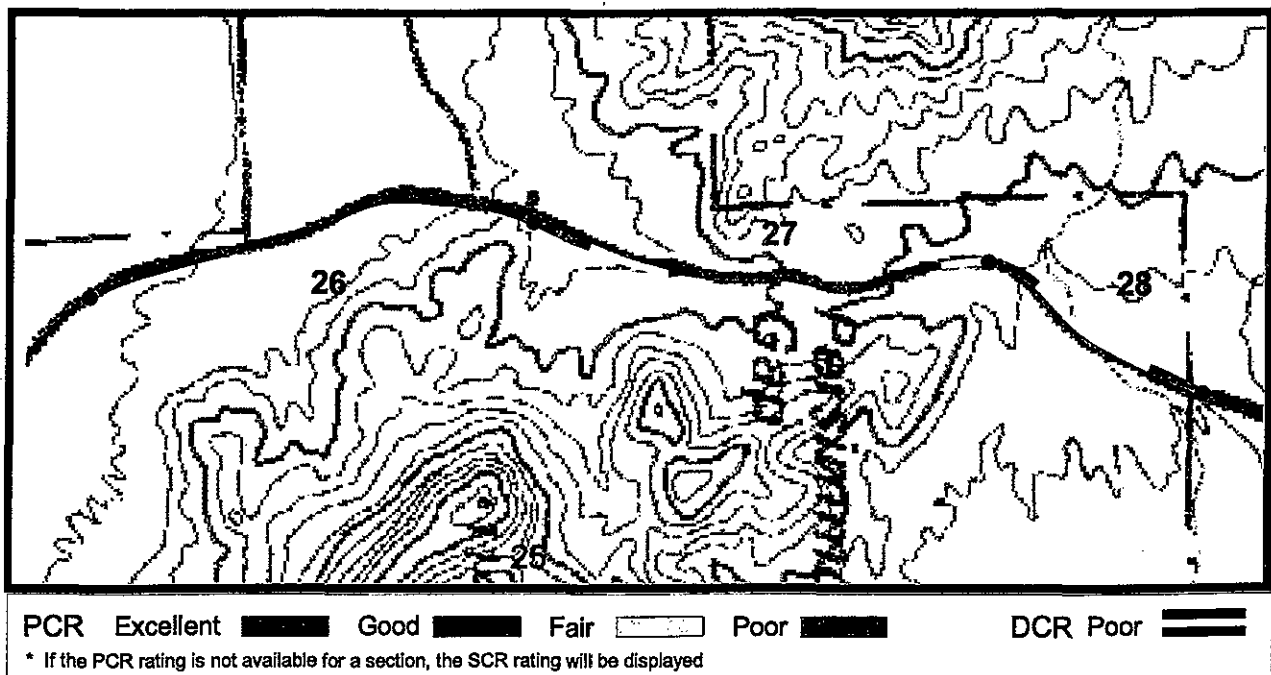
TOTAL LENGTH: 27.53 Miles

Section Number	21	22	23	24	25
Section Length (mi)	1.00	1.00	1.00	1.00	1.00
AADT	293	293	293	293	293
SADT	328	328	328	328	328
ADT Date	0994	0994	0994	0994	0994
Cross Section Information					
Number of Lanes	2	2	2	2	2
Paved Width (ft)	22	22	22	22	22
Lane Width (ft)	11	11	11	11	11
Shoulder Width (ft)	5	5	5	5	5
Roadway Condition Information					
PCR (Pavement Condition Rating)	85	84	62	41	51
Roughness Index	84	89	77	74	72
SCR (Surface Condition Rating)	85	81	51	19	37
Alligator Cracking	100	100	100	97	99
Rutting Index	93	96	94	93	90
Patching Index	100	100	100	100	100
Transverse Cracking	97	90	64	33	51
Longitudinal Cracking	100	100	98	96	97
Shoulder Condition Rating	Good	Good	Good	Good	Good
Drainage Condition Rating	Good	Good	Good	Good	Good

ROUTE: 011 North Entrance Road

COMMENTS:

MP 21.2 - Begin test section
 MP 21.4 - End test sections
 MP 21.61 - Intersection right - Nine Point Draw
 MP 21.62 - Begin test section
 MP 21.93 - Intersection left - Old Marathon Road
 MP 21.9 - End test section



Southwest Region
BIBE

ROUTE: 011 North Entrance Road

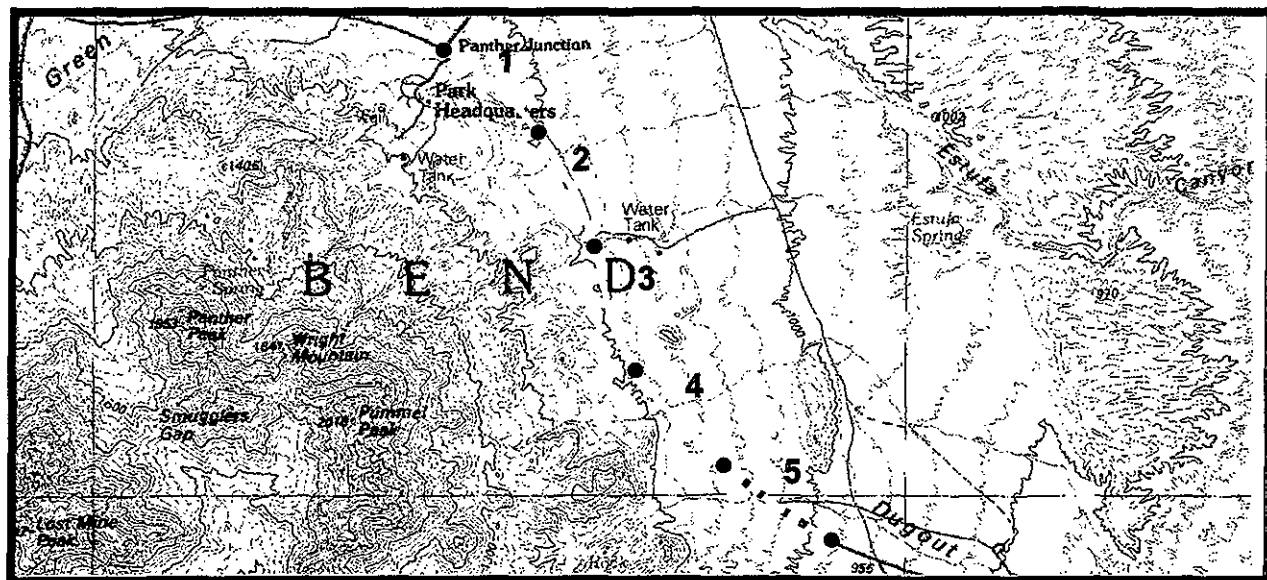
TOTAL LENGTH: 27.53 Miles

Section Number	26	27	28		
Section Length (mi)	1.00	1.00	0.53		
AADT	293	293	293		
SADT	328	328	328		
ADT Date	0994	0994	0994		
Cross Section Information					
Number of Lanes	2	2	2		
Paved Width (ft)	22	22	22		
Lane Width (ft)	11	11	11		
Shoulder Width (ft)	5	5	5		
Roadway Condition Information					
PCR (Pavement Condition Rating)	48	53	61		
Roughness Index	80	77	81		
SCR (Surface Condition Rating)	26	37	47		
Alligator Cracking	99	100	100		
Rutting Index	93	91	95		
Patching Index	100	100	100		
Transverse Cracking	41	50	59		
Longitudinal Cracking	96	98	98		
Shoulder Condition Rating	Good	Good	Good		
Drainage Condition Rating	Good	Good	Good		

COMMENTS:

MP 25.89 - Intersection left - Persimmon Gap Ranch Rd
MP 25.97 - Intersection left - Persimmon Gap Ranger Station

ROUTE: 011 North Entrance Road



PCR Excellent Good Fair Poor DCR Poor

* If the PCR rating is not available for a section, the SCR rating will be displayed

Southwest Region BIBE

ROUTE: 012 Rio Grande Road

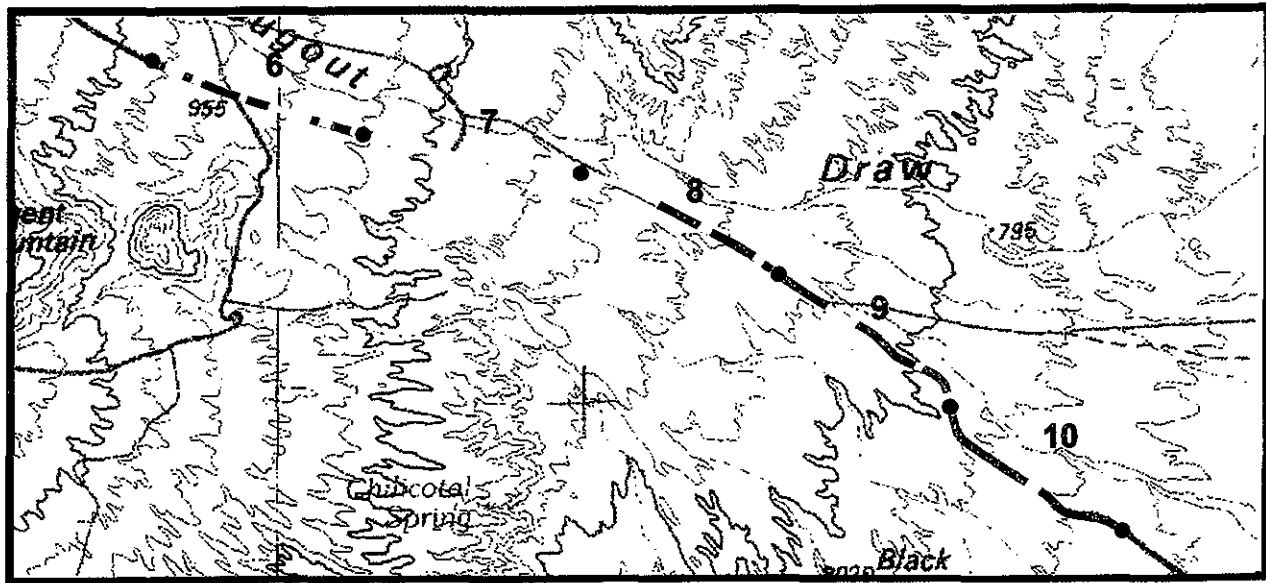
TOTAL LENGTH: 20.32 Miles

Section Number	1	2	3	4	5
Section Length (mi)	1.00	1.00	1.00	1.00	1.00
AADT	504	504	504	504	504
SADT	594	594	594	594	594
ADT Date	0994	0994	0994	0994	0994
Cross Section Information					
Number of Lanes	2	2	2	2	2
Paved Width (ft)	24	24	24	24	24
Lane Width (ft)	12	12	12	12	12
Shoulder Width (ft)	6	6	6	6	6
Roadway Condition Information					
PCR (Pavement Condition Rating)	73	69	69	71	65
Roughness Index	71	69	70	74	73
SCR (Surface Condition Rating)	74	68	69	69	59
Alligator Cracking	100	100	100	100	100
Rutting Index	84	83	80	82	78
Patching Index	100	100	100	100	100
Transverse Cracking	87	82	84	83	76
Longitudinal Cracking	98	99	99	99	98
Shoulder Condition Rating	Good	Good	Good	Good	Good
Drainage Condition Rating	Good	Good	Good	Good	Good

COMMENTS:

MP 0.0 Begin at intersection of Rtes 12 & 13 - Photo 1877
 MP 0.05 Intersection right - Residence Road
 MP 0.27 - Intersection left - Service Road
 MP 1.88 - Intersection left - K-Bar Ranch Road
 MP 3.40 - Photo 1878 - Raveling chip seal

ROUTE: 012 Rio Grande Road



Southwest Region
BIBE

ROUTE: 012 Rio Grande Road

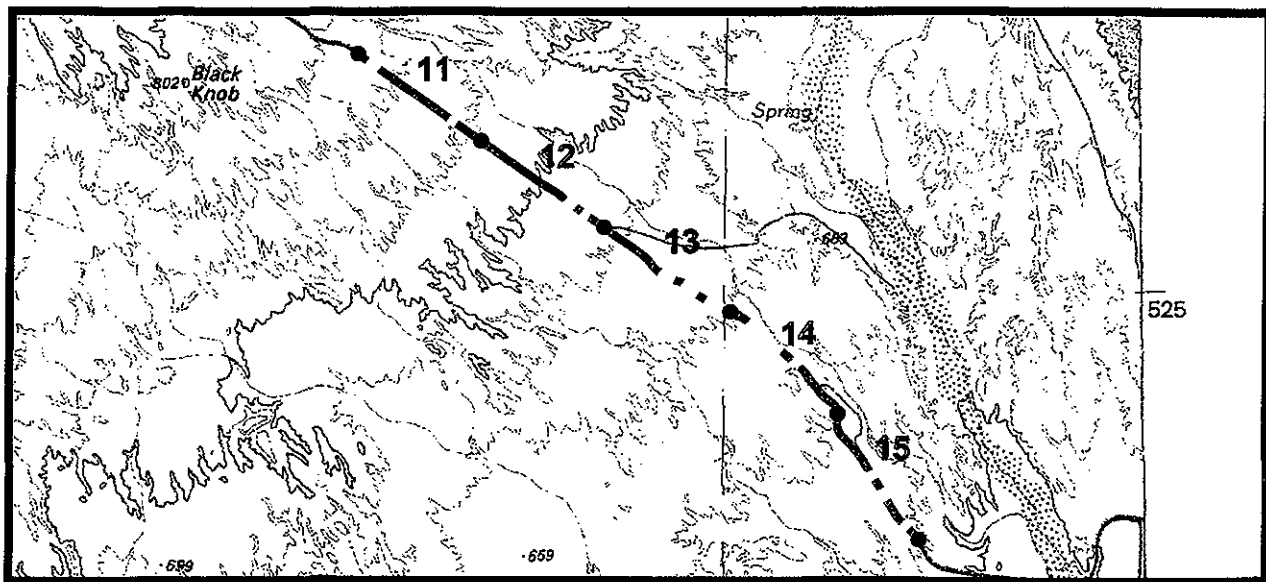
TOTAL LENGTH: 20.32 Miles

Section Number	6	7	8	9	10
Section Length (mi)	1.00	1.00	1.00	1.00	1.00
AADT	504	504	504	504	504
SADT	594	594	594	594	594
ADT Date	0994	0994	0994	0994	0994
Cross Section Information					
Number of Lanes	2	2	2	2	2
Paved Width (ft)	24	24	22	22	22
Lane Width (ft)	12	12	11	11	11
Shoulder Width (ft)	6	6	6	6	6
Roadway Condition Information					
PCR (Pavement Condition Rating)	60	70	60	54	54
Roughness Index	67	71	59	56	54
SCR (Surface Condition Rating)	55	69	61	54	55
Alligator Cracking	100	100	100	100	100
Rutting Index	80	82	82	81	79
Patching Index	100	100	100	100	100
Transverse Cracking	72	84	77	71	73
Longitudinal Cracking	97	98	97	96	97
Shoulder Condition Rating	Good	Good	Good	Good	Good
Drainage Condition Rating	Good	Good	Good	Good	Good

ROUTE: 012 Rio Grande Road

COMMENTS:

MP 5.39 Intersection right - Glen Springs
MP 5.7 - Photo 1879 - Vegetation in shoulder
MP 6.36 - Intersection left - Dugout Wells
MP 9.8 - Photo 1880 - Shoulder drop off



PCR Excellent Good Fair Poor DCR Poor

* If the PCR rating is not available for a section, the SCR rating will be displayed

Southwest Region
BIBE

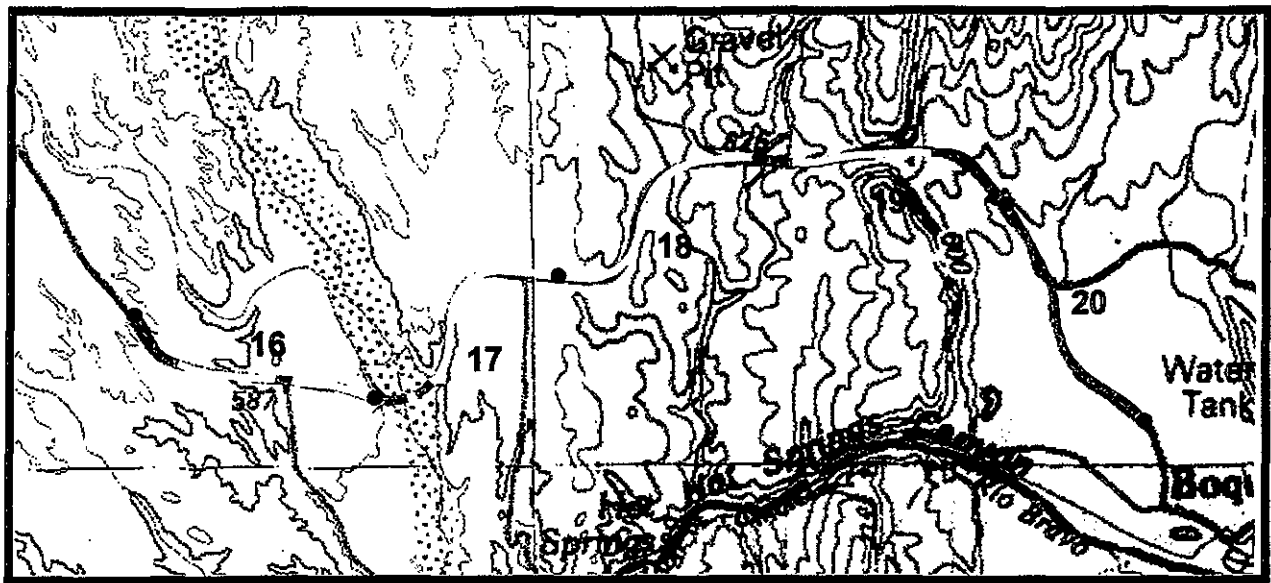
ROUTE: 012 Rio Grande Road

TOTAL LENGTH: 20.32 Miles

Section Number	11	12	13	14	15
Section Length (mi)	1.00	1.00	1.00	1.00	1.00
AADT	504	504	504	504	504
SADT	594	594	594	594	594
ADT Date	0994	0994	0994	0994	0994
Cross Section Information					
Number of Lanes	2	2	2	2	2
Paved Width (ft)	20	20	20	20	20
Lane Width (ft)	10	10	10	10	10
Shoulder Width (ft)	6	6	6	6	6
Roadway Condition Information					
PCR (Pavement Condition Rating)	56	55	57	59	58
Roughness Index	58	58	65	58	60
SCR (Surface Condition Rating)	54	52	53	59	56
Alligator Cracking	100	100	99	100	100
Rutting Index	80	77	77	81	82
Patching Index	100	100	100	100	100
Transverse Cracking	70	72	73	77	72
Longitudinal Cracking	97	96	95	96	97
Shoulder Condition Rating	Fair	Fair	Fair	Fair	Fair
Drainage Condition Rating	Good	Good	Good	Good	Good

COMMENTS:

ROUTE: 012 Rio Grande Road



PCR Excellent Good Fair Poor DCR Poor
 * If the PCR rating is not available for a section, the SCR rating will be displayed

Southwest Region
 BIBE

ROUTE: 012 Rio Grande Road

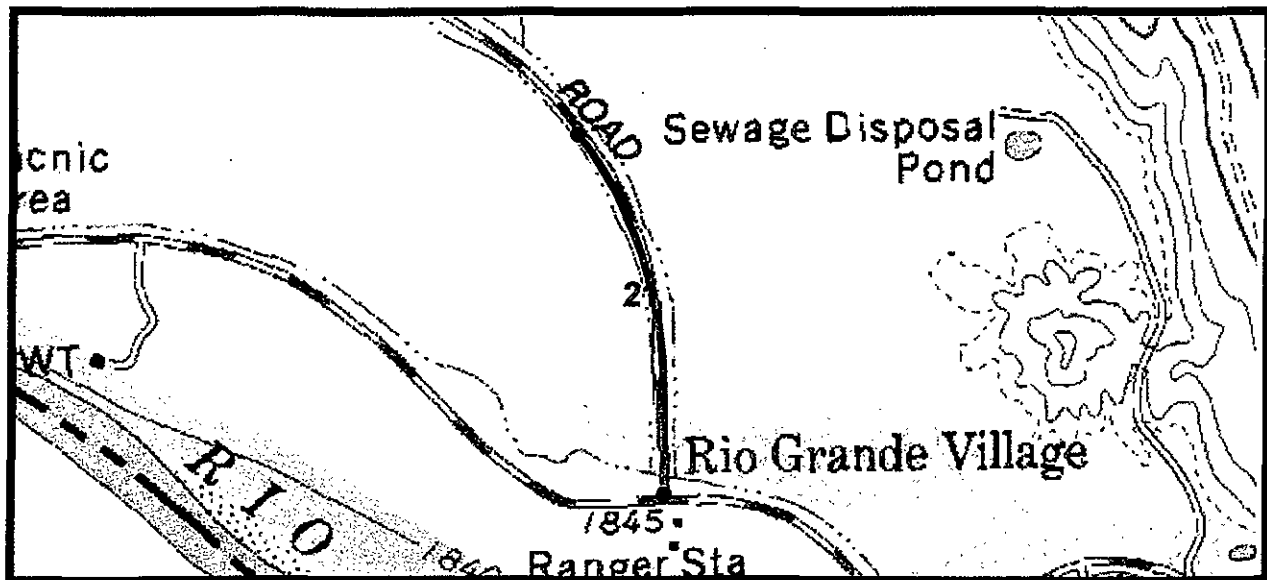
TOTAL LENGTH: 20.32 Miles

Section Number	16	17	18	19	20
Section Length (mi)	1.00	1.00	1.00	1.00	1.00
AADT	504	504	504	504	504
SADT	594	594	594	594	594
ADT Date	0994	0994	0994	0994	0994
Cross Section Information					
Number of Lanes	2	2	2	2	2
Paved Width (ft)	20	22	22	22	22
Lane Width (ft)	10	11	11	11	11
Shoulder Width (ft)	6	6	6	6	6
Roadway Condition Information					
PCR (Pavement Condition Rating)	66	66	73	60	40
Roughness Index	66	57	72	66	58
SCR (Surface Condition Rating)	67	73	73	56	28
Alligator Cracking	100	100	100	100	100
Rutting Index	83	87	82	83	88
Patching Index	100	100	100	100	100
Transverse Cracking	80	84	86	72	44
Longitudinal Cracking	99	99	99	98	97
Shoulder Condition Rating	Fair	Good	Good	Good	Good
Drainage Condition Rating	Good	Good	Good	Good	Good

COMMENTS:

MP 15.64 - Intersection right - River Patrol Road Photo 1881
 MP 16.83 - Intersection right - Hot Springs Road
 MP 17.87 - Intersection left - Old Ore Road
 MP 18.40 - Photo 1882 - Tunnel Entrance
 MP 18.63 - Intersection right - Rio Grande Overlook
 MP 19.31 - Intersection left - Boquillas Canyon Road
 MP 19.73 - Intersection left - Rio Grande Residence Road

ROUTE: 012 Rio Grande Road



PCR Excellent Good Fair Poor DCR Poor

* If the PCR rating is not available for a section, the SCR rating will be displayed

Southwest Region
BIBE

ROUTE: 012 Rio Grande Road

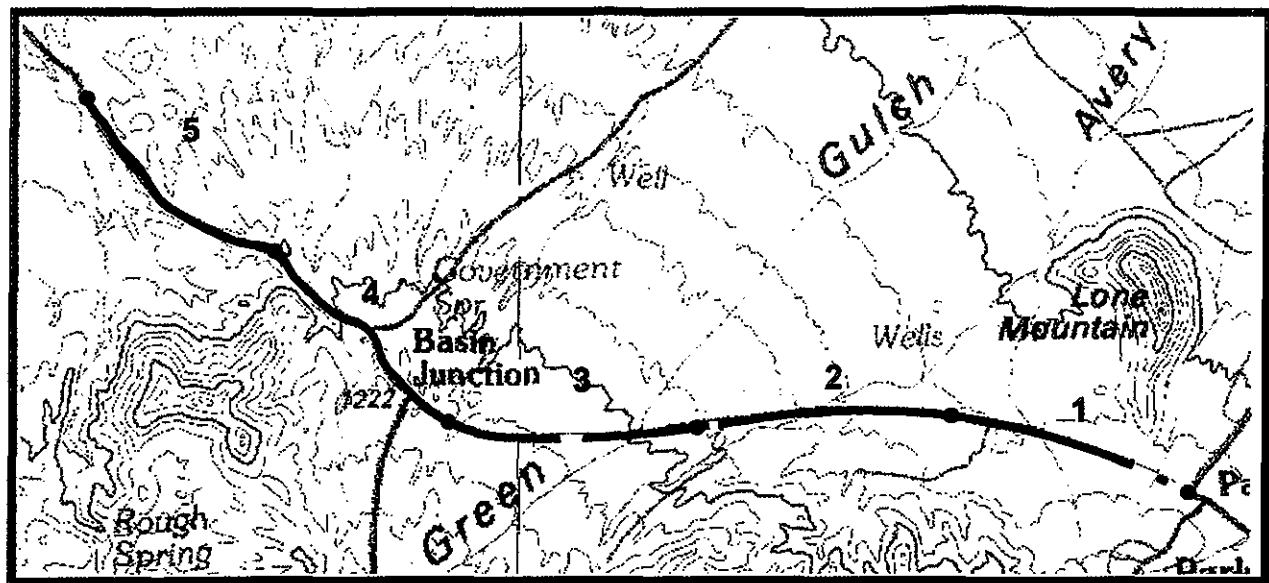
TOTAL LENGTH: 20.32 Miles

Section Number	21				
Section Length (mi)	0.32				
AADT	239				
SADT	282				
ADT Date	0994				
Cross Section Information					
Number of Lanes	2				
Paved Width (ft)	22				
Lane Width (ft)	11				
Shoulder Width (ft)	6				
Roadway Condition Information					
PCR (Pavement Condition Rating)	47				
Roughness Index	49				
SCR (Surface Condition Rating)	46				
Alligator Cracking	100				
Rutting Index	85				
Patching Index	100				
Transverse Cracking	62				
Longitudinal Cracking	100				
Shoulder Condition Rating	Good				
Drainage Condition Rating	Good				

COMMENTS:

MP 20.14 - Intersection right - Rio Grande Visitor Center
MP 20.23 - Intersection right - Rio Grande Visitor Center

ROUTE: 012 Rio Grande Road



Southwest Region
BIBE

ROUTE: 013 West Entrance Road

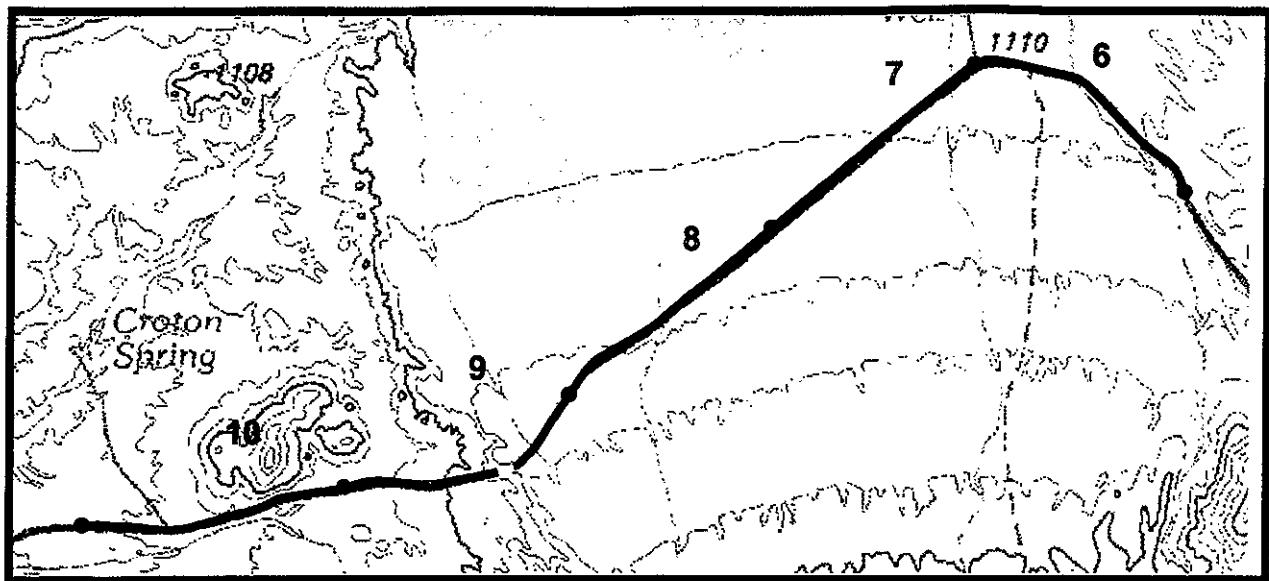
TOTAL LENGTH: 21.91 Miles

Section Number	1	2	3	4	5
Section Length (mi)	1.00	1.00	1.00	1.00	1.00
AADT	599	599	599	599	293
SADT	706	706	706	706	346
ADT Date	0994	0994	0994	0994	0994
Cross Section Information					
Number of Lanes	2	2	2	2	2
Paved Width (ft)	22	22	22	22	22
Lane Width (ft)	11	11	11	11	11
Shoulder Width (ft)	5	5	5	5	5
Roadway Condition Information					
PCR (Pavement Condition Rating)	87	91	91	90	94
Roughness Index	99	100	99	99	100
SCR (Surface Condition Rating)	79	85	86	83	89
Alligator Cracking	99	100	100	100	100
Rutting Index	86	84	86	84	83
Patching Index	100	100	100	100	100
Transverse Cracking	87	92	93	91	97
Longitudinal Cracking	99	100	100	100	100
Shoulder Condition Rating	Good	Good	Good	Good	Good
Drainage Condition Rating	Good	Good	Good	Good	Good

COMMENTS:

MP 0.00 -Photo R1-1 - Begin at Rte 011 & 012
 MP 0.31 - Intersection left - Panther Junction Visitor Center
 MP 0.21 - Intersection left - Chevron Gas Station
 MP 3.15 - Intersection left - Chisos Basin Road
 MP 3.48 - Intersection right - Grapevine Hills

ROUTE: 013 West Entrance Road



PCR Excellent Good Fair Poor DCR Poor

* If the PCR rating is not available for a section, the SCR rating will be displayed

Southwest Region
BIBE

ROUTE: 013 West Entrance Road

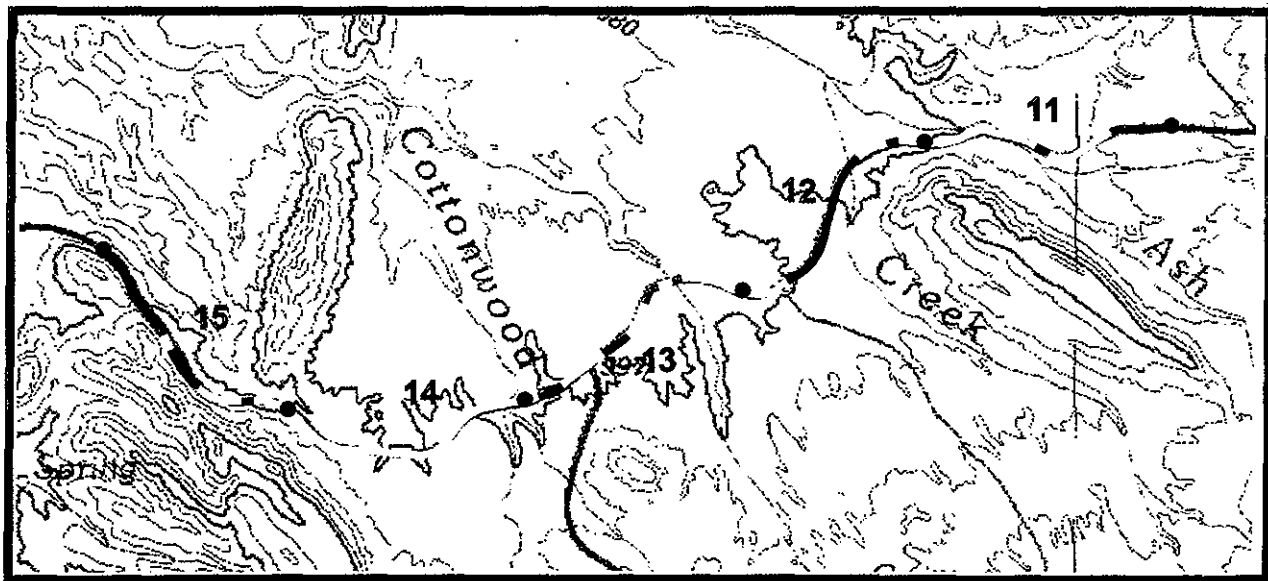
TOTAL LENGTH: 21.91 Miles

Section Number	6	7	8	9	10
Section Length (mi)	1.00	1.00	1.00	1.00	1.00
AADT	293	293	293	293	293
SADT	346	346	346	346	346
ADT Date	0994	0994	0994	0994	0994
Cross Section Information					
Number of Lanes	2	2	2	2	2
Paved Width (ft)	22	22	22	22	20
Lane Width (ft)	11	11	11	11	10
Shoulder Width (ft)	5	5	5	5	5
Roadway Condition Information					
PCR (Pavement Condition Rating)	93	93	94	91	93
Roughness Index	100	100	100	95	97
SCR (Surface Condition Rating)	89	88	90	88	90
Alligator Cracking	100	100	100	100	100
Rutting Index	83	84	85	84	86
Patching Index	100	100	100	100	100
Transverse Cracking	97	96	97	96	97
Longitudinal Cracking	100	100	100	100	100
Shoulder Condition Rating	Good	Good	Good	Good	Good
Drainage Condition Rating	Good	Good	Good	Good	Good

COMMENTS:

MP 6.07 - Intersection right - Paint Gap
MP 6.2 - Photo R1-2 - Typical Pavement Section
MP 9.66 - Intersection right - Croton Spring Road

ROUTE: 013 West Entrance Road



PCR Excellent Good Fair Poor DCR Poor

* If the PCR rating is not available for a section, the SCR rating will be displayed

Southwest Region
BIBE

ROUTE: 013 West Entrance Road

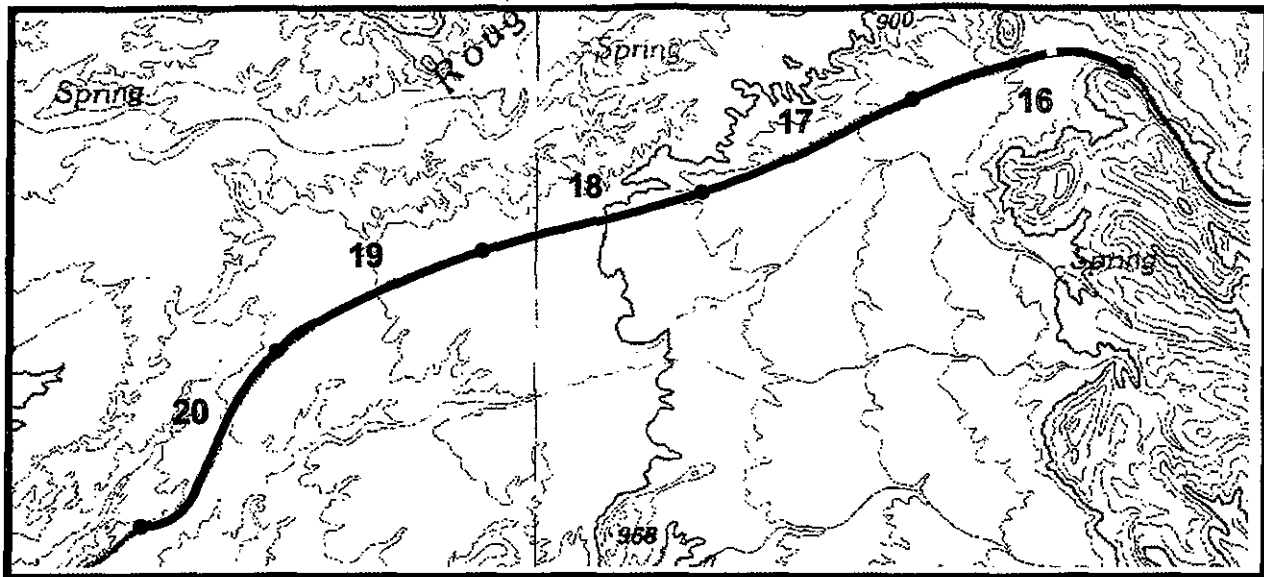
TOTAL LENGTH: 21.91 Miles

Section Number	11	12	13	14	15
Section Length (mi)	1.00	1.00	1.00	1.00	1.00
AADT	293	293	293	277	277
SADT	346	346	346	326	326
ADT Date	0994	0994	0994	0994	0994
Cross Section Information					
Number of Lanes	2	2	2	2	2
Paved Width (ft)	20	20	20	22	22
Lane Width (ft)	10	10	10	11	11
Shoulder Width (ft)	5	5	5	5	5
Roadway Condition Information					
PCR (Pavement Condition Rating)	81	79	71	72	83
Roughness Index	86	86	70	73	92
SCR (Surface Condition Rating)	78	74	71	71	78
Alligator Cracking	100	100	100	100	100
Rutting Index	84	84	83	83	85
Patching Index	100	100	100	100	100
Transverse Cracking	86	83	81	81	85
Longitudinal Cracking	99	99	99	99	100
Shoulder Condition Rating	Good	Good	Good	Good	Good
Drainage Condition Rating	Good	Good	Good	Good	Good

ROUTE: 013 West Entrance Road

COMMENTS:

MP 12.66 - Photo R1-3 - Intersection of Ross Maxwell Road
 MP 12.69 - Intersection left - Ross Maxwell Road
 MP Photo R1-4 - Sealed cracks



PCR Excellent Good Fair Poor DCR Poor

* If the PCR rating is not available for a section, the SCR rating will be displayed

Southwest Region
BIBE

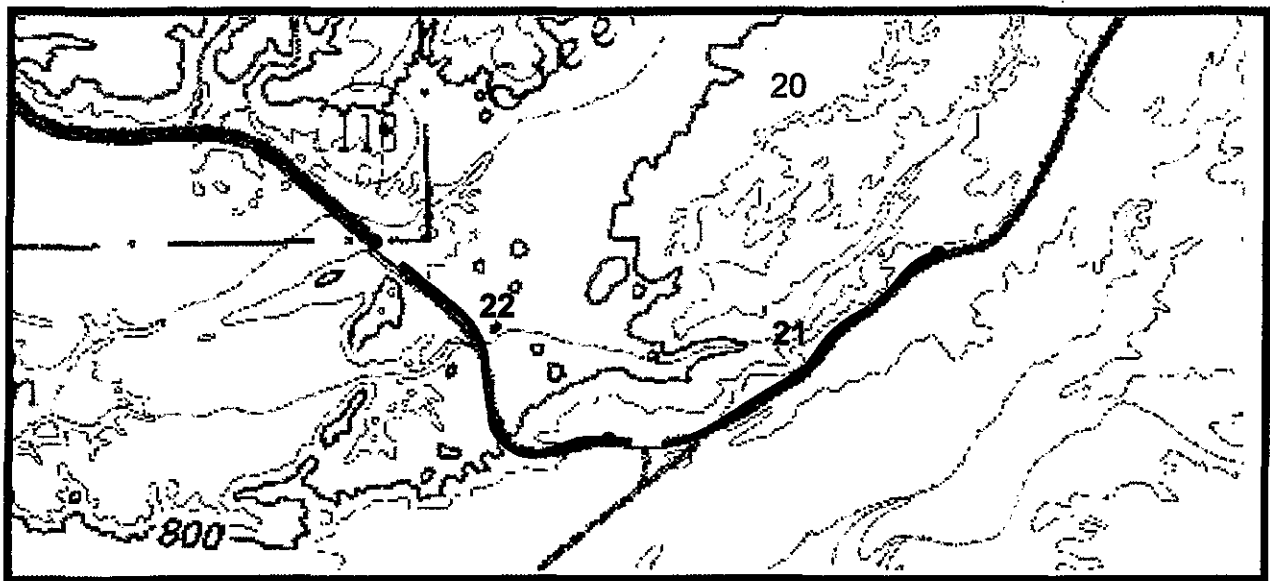
ROUTE: 013 West Entrance Road

TOTAL LENGTH: 21.91 Miles

Section Number	16	17	18	19	20
Section Length (mi)	1.00	1.00	1.00	1.00	1.00
AADT	277	277	277	277	277
SADT	326	326	326	326	326
ADT Date	0994	0994	0994	0994	0994
Cross Section Information					
Number of Lanes	2	2	2	2	2
Paved Width (ft)	22	22	22	22	22
Lane Width (ft)	11	11	11	11	11
Shoulder Width (ft)	5	5	5	5	5
Roadway Condition Information					
PCR (Pavement Condition Rating)	88	91	92	93	92
Roughness Index	99	100	99	100	97
SCR (Surface Condition Rating)	81	86	86	88	88
Alligator Cracking	100	100	100	100	100
Rutting Index	87	94	93	93	92
Patching Index	100	100	100	100	100
Transverse Cracking	89	93	94	96	96
Longitudinal Cracking	100	100	100	100	100
Shoulder Condition Rating	Good	Good	Good	Good	Good
Drainage Condition Rating	Good	Good	Good	Good	Good

COMMENTS:

ROUTE: 013 West Entrance Road



PCR Excellent Good Fair Poor DCR Poor

* If the PCR rating is not available for a section, the SCR rating will be displayed

Southwest Region
BIBE

ROUTE: 013 West Entrance Road

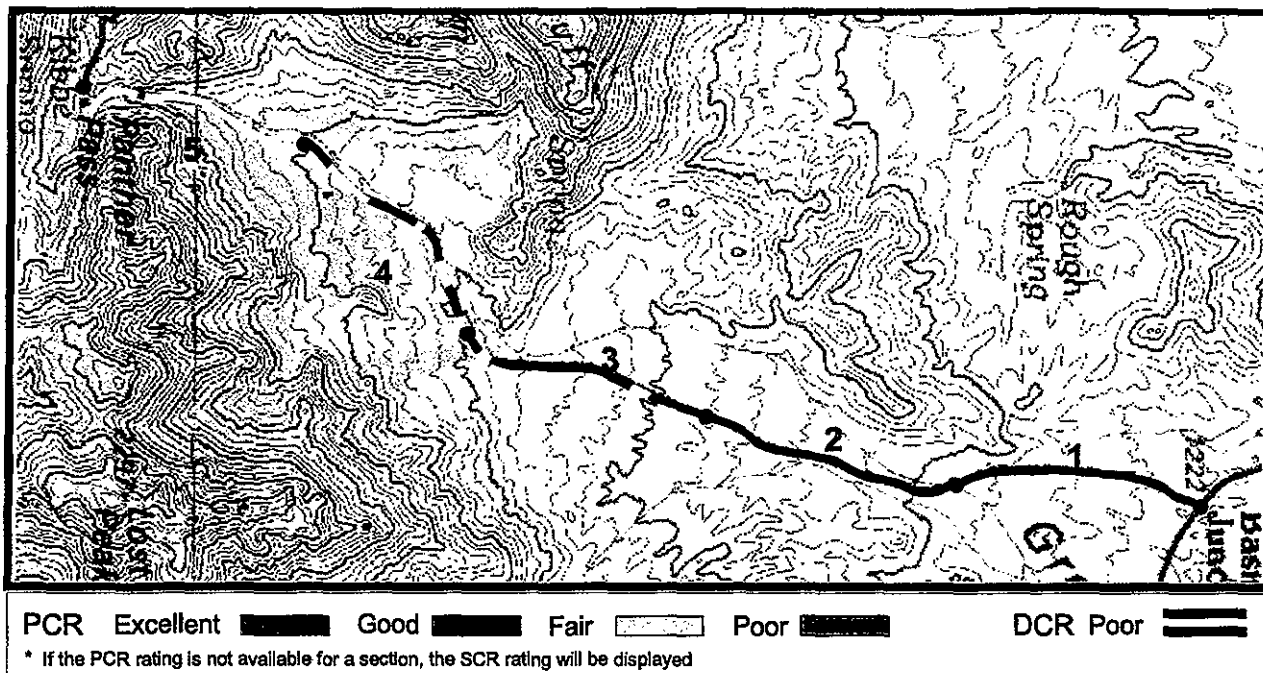
TOTAL LENGTH: 21.91 Miles

Section Number	21	22			
Section Length (mi)	1.00	0.91			
AADT	277	277			
SADT	326	326			
ADT Date	0994	0994			
Cross Section Information					
Number of Lanes	2	2			
Paved Width (ft)	22	22			
Lane Width (ft)	11	11			
Shoulder Width (ft)	5	5			
Roadway Condition Information					
PCR (Pavement Condition Rating)	92	92			
Roughness Index	96	91			
SCR (Surface Condition Rating)	88	92			
Alligator Cracking	100	100			
Rutting Index	94	91			
Patching Index	100	100			
Transverse Cracking	95	98			
Longitudinal Cracking	100	100			
Shoulder Condition Rating	Good	Good			
Drainage Condition Rating	Good	Good			

COMMENTS:

MP 20.70 - Intersection right - Badlands Parking Area
 MP 20.73 - Intersection left - Old Maverick Road
 MP 20.81 - Intersection left - Info Kiosk Parking
 MP 20.84 - Photo R1-5 - Contact Station
 MP 20.85 - Intersection left - Contact Station Parking

ROUTE: 013 West Entrance Road



Southwest Region
BIBE

ROUTE: 014 Chisos Basin Road

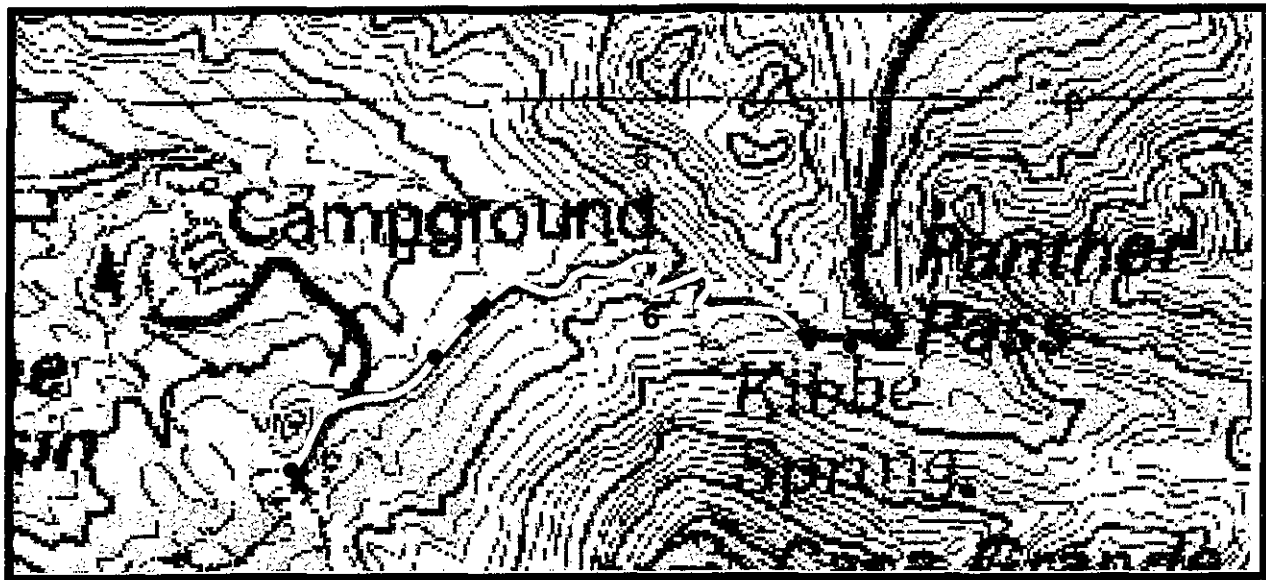
TOTAL LENGTH: 6.33 Miles

Section Number	1	2	3	4	5
Section Length (mi)	1.00	1.00	1.00	1.00	1.00
AADT	472	472	472	472	472
SADT	557	557	557	557	557
ADT Date	0994	0994	0994	0994	0994
Cross Section Information					
Number of Lanes	2	2	2	2	2
Paved Width (ft)	22	22	22	20	20
Lane Width (ft)	11	11	11	10	10
Shoulder Width (ft)	5	5	5	5	5
Roadway Condition Information					
PCR (Pavement Condition Rating)	96	93	92	83	77
Roughness Index	99	99	99	95	78
SCR (Surface Condition Rating)	93	88	88	75	74
Alligator Cracking	100	100	100	100	99
Rutting Index	100	100	100	99	92
Patching Index	100	100	100	100	100
Transverse Cracking	99	95	98	97	95
Longitudinal Cracking	100	98	95	85	87
Shoulder Condition Rating	Good	Good	Good	Good	Good
Drainage Condition Rating	Good	Good	Good	Good	Good

COMMENTS:

MP 0.12 - Photo R1-15 - Interpretive site
MP 1.0 - Photo R1-16 - Start of wide cracking

ROUTE: 014 Chisos Basin Road



PCR Excellent Good Fair Poor DCR Poor

* If the PCR rating is not available for a section, the SCR rating will be displayed

Southwest Region
BIBE

ROUTE: 014 Chisos Basin Road

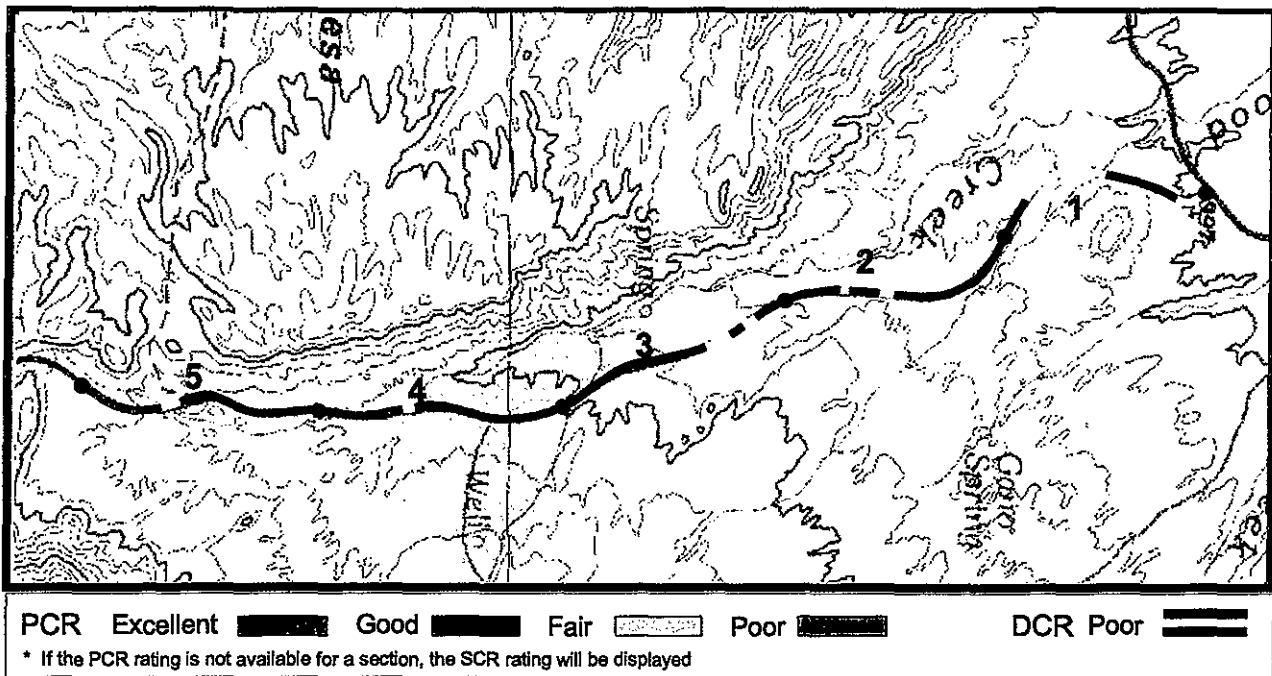
TOTAL LENGTH: 6.33 Miles

Section Number	6	7			
Section Length (mi)	1.00	0.33			
AADT	472	472			
SADT	557	557			
ADT Date	0994	0994			
Cross Section Information					
Number of Lanes	2	2			
Paved Width (ft)	20	20			
Lane Width (ft)	10	10			
Shoulder Width (ft)	5	5			
Roadway Condition Information					
PCR (Pavement Condition Rating)	NA	70			
Roughness Index	66	53			
SCR (Surface Condition Rating)	81	84			
Alligator Cracking	100	100			
Rutting Index	91	91			
Patching Index	100	100			
Transverse Cracking	96	98			
Longitudinal Cracking	93	95			
Shoulder Condition Rating	Good	Good			
Drainage Condition Rating	Good	Good			

COMMENTS:

MP 5.16 - Intersection left - Lost Mine Trail Parking
MP 6.17 - Intersection right - Lower Basin Campground Road

ROUTE: 014 Chisos Basin Road



Southwest Region
BIBE

ROUTE: 015 Ross Maxwell Scenic Drive

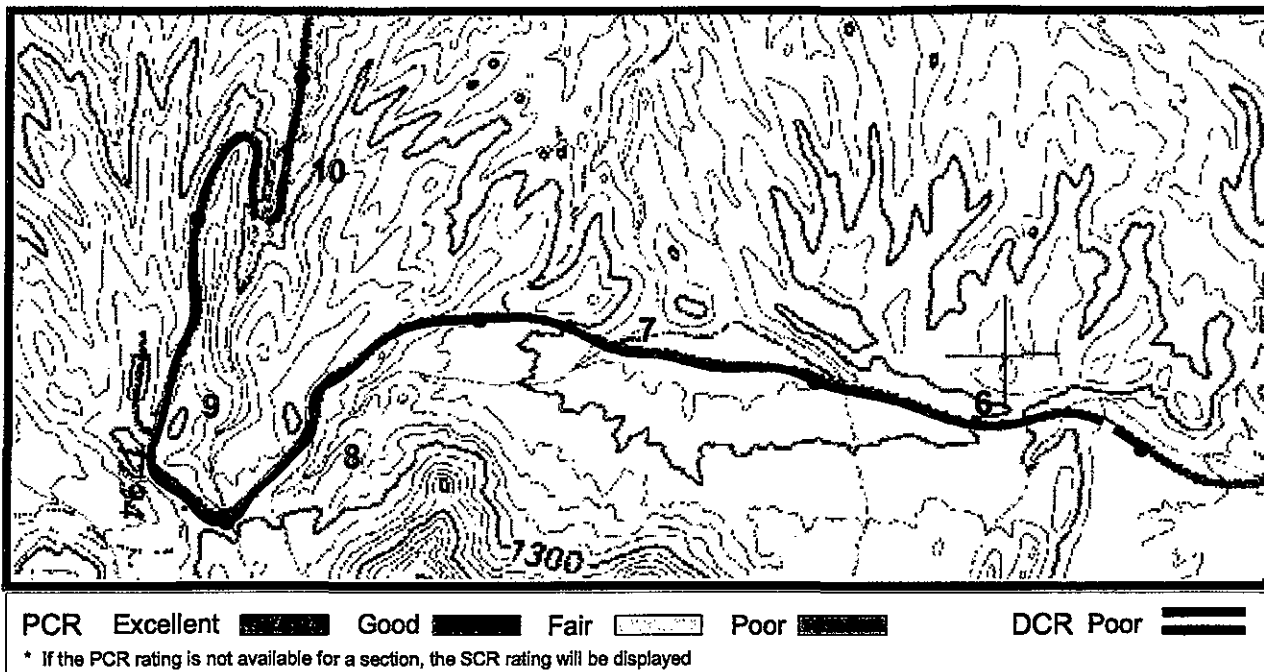
TOTAL LENGTH: 23.26 Miles

Section Number	1	2	3	4	5
Section Length (mi)	1.00	1.00	1.00	1.00	1.00
AADT	176	176	176	176	176
SADT	208	208	208	208	208
ADT Date	0994	0994	0994	0994	0994
Cross Section Information					
Number of Lanes	2	2	2	2	2
Paved Width (ft)	20	20	20	20	20
Lane Width (ft)	10	10	10	10	10
Shoulder Width (ft)	4	4	4	4	4
Roadway Condition Information					
PCR (Pavement Condition Rating)	84	90	89	94	93
Roughness Index	81	88	84	94	94
SCR (Surface Condition Rating)	84	91	92	93	92
Alligator Cracking	100	100	100	100	100
Rutting Index	89	90	90	90	90
Patching Index	100	100	100	100	100
Transverse Cracking	92	97	97	98	97
Longitudinal Cracking	98	99	99	100	100
Shoulder Condition Rating	Good	Good	Good	Good	Good
Drainage Condition Rating	Good	Good	Good	Good	Good

COMMENTS:

MP 0.0 - Photo R1-6 - Begin at Rte 013
MP 1.0 - Intersection left- Service Road

ROUTE: 015 Ross Maxwell Scenic Drive



Southwest Region
BIBE

ROUTE: 015 Ross Maxwell Scenic Drive

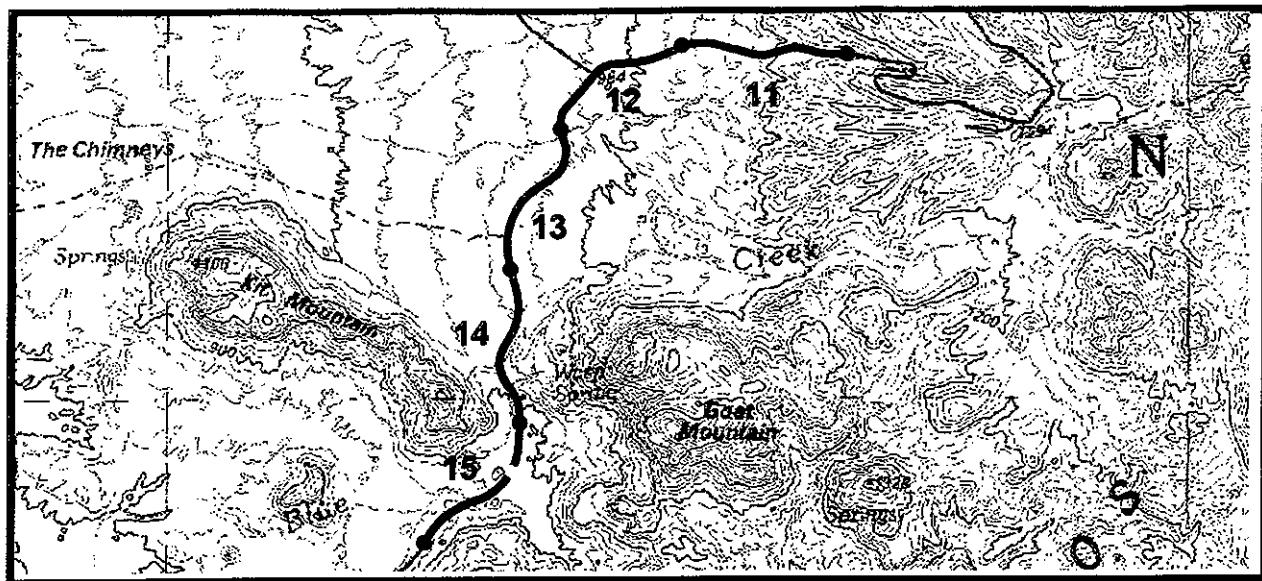
TOTAL LENGTH: 23.26 Miles

Section Number	6	7	8	9	10
Section Length (mi)	1.00	1.00	1.00	1.00	1.00
AADT	176	176	176	176	176
SADT	208	208	208	208	208
ADT Date	0994	0994	0994	0994	0994
Cross Section Information					
Number of Lanes	2	2	2	2	2
Paved Width (ft)	20	20	20	20	20
Lane Width (ft)	10	10	10	10	10
Shoulder Width (ft)	4	4	4	4	4
Roadway Condition Information					
PCR (Pavement Condition Rating)	95	96	94	96	94
Roughness Index	97	98	97	98	96
SCR (Surface Condition Rating)	94	94	91	94	93
Alligator Cracking	100	100	100	100	100
Rutting Index	89	89	89	90	90
Patching Index	100	100	100	100	100
Transverse Cracking	99	99	97	99	98
Longitudinal Cracking	100	100	99	100	100
Shoulder Condition Rating	Good	Good	Good	Good	Good
Drainage Condition Rating	Good	Good	Good	Good	Good

COMMENTS:

MP 8.11 - Intersection left - Blue Creek Overlook
MP 8.30 - Intersection left- Sotol Vista Overlook

ROUTE: 015 Ross Maxwell Scenic Drive



PCR Excellent Good Fair Poor DCR Poor

* If the PCR rating is not available for a section, the SCR rating will be displayed

Southwest Region BIBE

ROUTE: 015 Ross Maxwell Scenic Drive

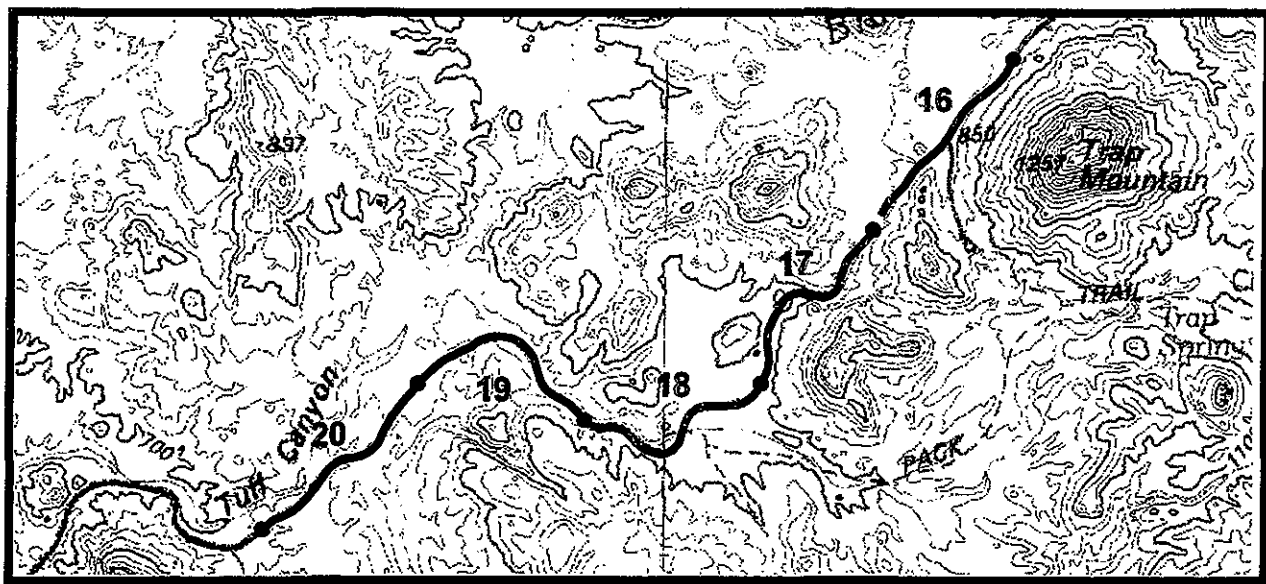
TOTAL LENGTH: 23.26 Miles

Section Number	11	12	13	14	15
Section Length (mi)	1.00	1.00	1.00	1.00	1.00
AADT	176	176	176	176	176
SADT	208	208	208	208	208
ADT Date	0994	0994	0994	0994	0994
Cross Section Information					
Number of Lanes	2	2	2	2	2
Paved Width (ft)	20	20	20	20	20
Lane Width (ft)	10	10	10	10	10
Shoulder Width (ft)	4	4	4	4	4
Roadway Condition Information					
PCR (Pavement Condition Rating)	97	97	97	96	95
Roughness Index	100	100	100	99	94
SCR (Surface Condition Rating)	95	94	95	94	95
Alligator Cracking	100	100	100	100	100
Rutting Index	91	90	90	90	90
Patching Index	100	100	100	100	100
Transverse Cracking	99	99	99	99	99
Longitudinal Cracking	100	100	100	100	100
Shoulder Condition Rating	Good	Good	Good	Good	Good
Drainage Condition Rating	Good	Good	Good	Good	Good

COMMENTS:

MP 11.58 - Intersection right - Burro Mesa Pouroff
 MP 12.77 - Intersection right - Chimneys Trail Parking
 MP 14.82 - Intersection left - Goat Mountain Intrepretive Area

ROUTE: 015 Ross Maxwell Scenic Drive



PCR Excellent
 Good
 Fair
 Poor
 DCR Poor

* If the PCR rating is not available for a section, the SCR rating will be displayed

Southwest Region
BIBE

ROUTE: 015 Ross Maxwell Scenic Drive

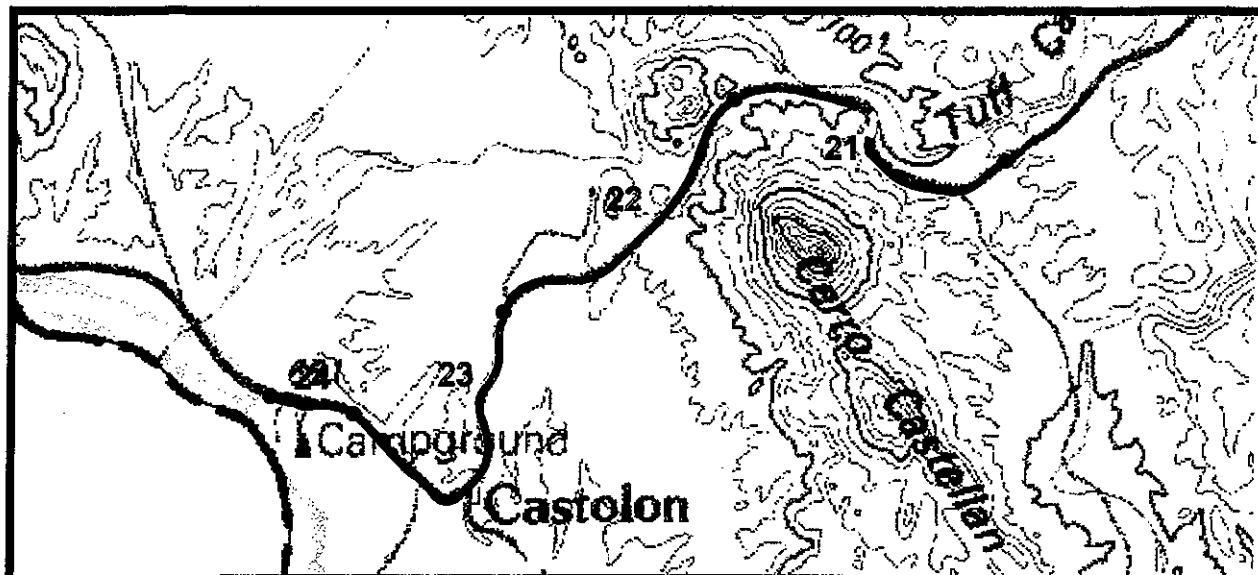
TOTAL LENGTH: 23.26 Miles

Section Number	16	17	18	19	20
Section Length (mi)	1.00	1.00	1.00	1.00	1.00
AADT	176	176	176	176	176
SADT	208	208	208	208	208
ADT Date	0994	0994	0994	0994	0994
Cross Section Information					
Number of Lanes	2	2	2	2	2
Paved Width (ft)	20	20	20	20	20
Lane Width (ft)	10	10	10	10	10
Shoulder Width (ft)	4	4	4	4	4
Roadway Condition Information					
PCR (Pavement Condition Rating)	96	94	95	97	97
Roughness Index	98	96	99	99	100
SCR (Surface Condition Rating)	95	93	93	95	95
Alligator Cracking	100	100	100	100	100
Rutting Index	90	90	90	89	91
Patching Index	100	100	100	100	100
Transverse Cracking	99	99	97	100	100
Longitudinal Cracking	100	100	100	100	100
Shoulder Condition Rating	Good	Good	Good	Good	Good
Drainage Condition Rating	Good	Good	Good	Good	Good

COMMENTS:

MP 15.46 - Intersection left - Mule Ears Parking Area
 MP 16.52 - Begin new construction
 MP 19.87 - Intersection right - Tuff Canyon Overlook

ROUTE: 015 Ross Maxwell Scenic Drive



PCR Excellent Good Fair Poor DCR Poor

* If the PCR rating is not available for a section, the SCR rating will be displayed

Southwest Region
BIBE

ROUTE: 015 Ross Maxwell Scenic Drive

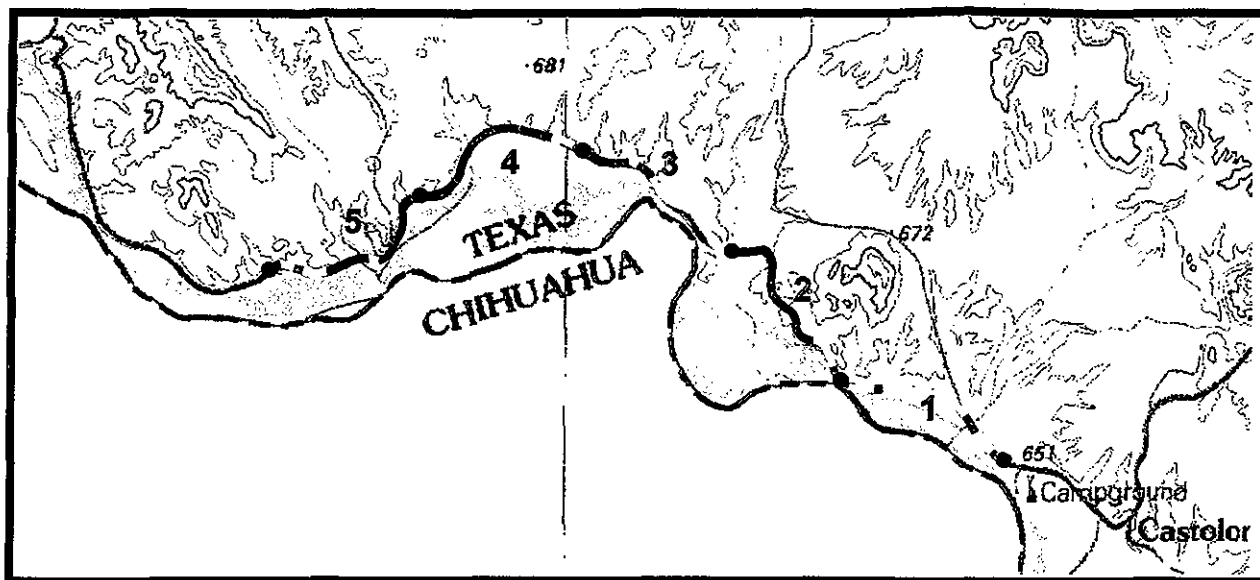
TOTAL LENGTH: 23.26 Miles

Section Number	21	22	23	24	
Section Length (mi)	1.00	1.00	1.00	0.26	
AADT	176	176	176	176	
SADT	208	208	208	208	
ADT Date	0994	0994	0994	0994	
Cross Section Information					
Number of Lanes	2	2	2	2	
Paved Width (ft)	20	20	20	20	
Lane Width (ft)	10	10	10	10	
Shoulder Width (ft)	4	4	4	4	
Roadway Condition Information					
PCR (Pavement Condition Rating)	93	96	95	95	
Roughness Index	97	100	97	100	
SCR (Surface Condition Rating)	90	94	94	92	
Alligator Cracking	100	100	100	100	
Rutting Index	90	91	91	91	
Patching Index	100	100	100	100	
Transverse Cracking	95	99	99	97	
Longitudinal Cracking	100	100	100	100	
Shoulder Condition Rating	Good	Good	Good	Good	
Drainage Condition Rating	Good	Good	Good	Good	

COMMENTS:

MP 20.16 - Intersection left - River Patrol Road
 MP 21.88 - Intersection right - Ranger Residence Road
 MP 23.18 - Intersection left - Cottonwood Campground
 MP 23.19 - Intersection right - Service Road

ROUTE: 015 Ross Maxwell Scenic Drive



PCR Excellent Good Fair Poor DCR Poor

* If the PCR rating is not available for a section, the SCR rating will be displayed

Southwest Region
BIBE

ROUTE: 016 Santa Elena Canyon Road

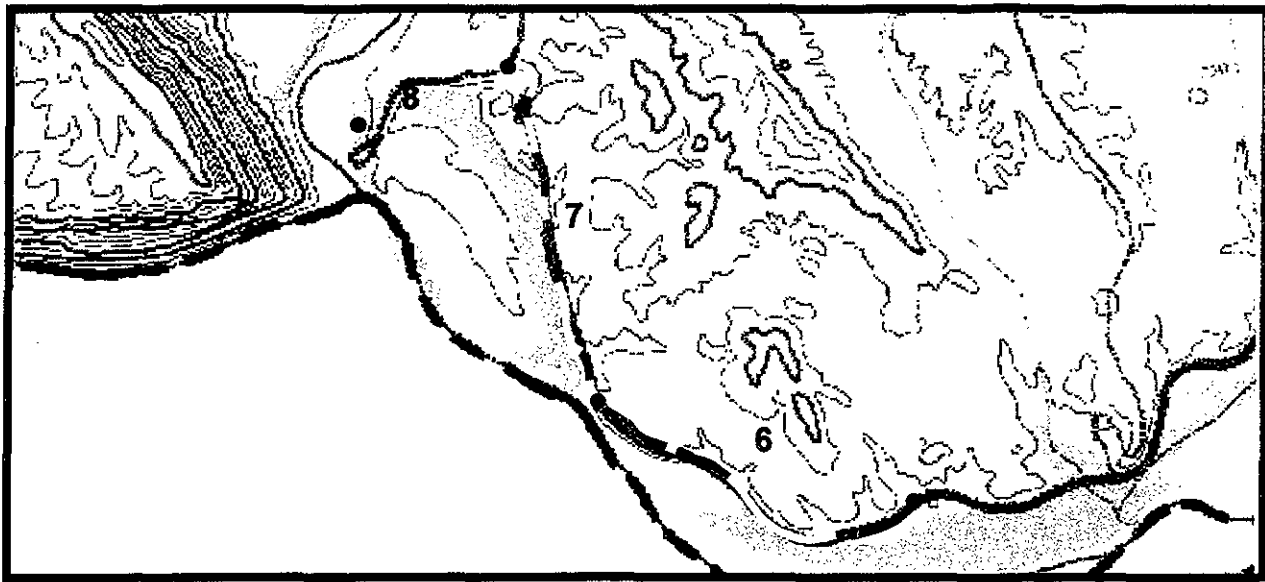
TOTAL LENGTH: 7.56 Miles

Section Number	1	2	3	4	5
Section Length (mi)	1.00	1.00	1.00	1.00	1.00
AADT	132	132	132	132	132
SADT	156	156	156	156	156
ADT Date	0994	0994	0994	0994	0994
Cross Section Information					
Number of Lanes	2	2	2	2	2
Paved Width (ft)	22	22	22	22	22
Lane Width (ft)	11	11	11	11	11
Shoulder Width (ft)	5	5	5	5	5
Roadway Condition Information					
PCR (Pavement Condition Rating)	70	86	67	65	70
Roughness Index	78	85	73	73	72
SCR (Surface Condition Rating)	67	85	65	59	68
Alligator Cracking	99	100	100	99	100
Rutting Index	78	86	83	82	82
Patching Index	100	100	100	100	100
Transverse Cracking	81	94	75	69	78
Longitudinal Cracking	96	98	98	98	98
Shoulder Condition Rating	Good	Good	Good	Good	Good
Drainage Condition Rating	Good	Good	Good	Good	Good

COMMENTS:

MP 0.00 - Photo R1-8 - Begin at end of Rte 015
 MP 0.10 - Photo R1-9 - Typical pavement section
 MP 1.09 - Intersection right - Desert Mountain Overlook
 MP 2.8 - Photo R1-10 - Reconstructed pavement

ROUTE: 016 Santa Elena Canyon Road



PCR Excellent Good Fair Poor DCR Poor

* If the PCR rating is not available for a section, the SCR rating will be displayed

Southwest Region
BIBE

ROUTE: 016 Santa Elena Canyon Road

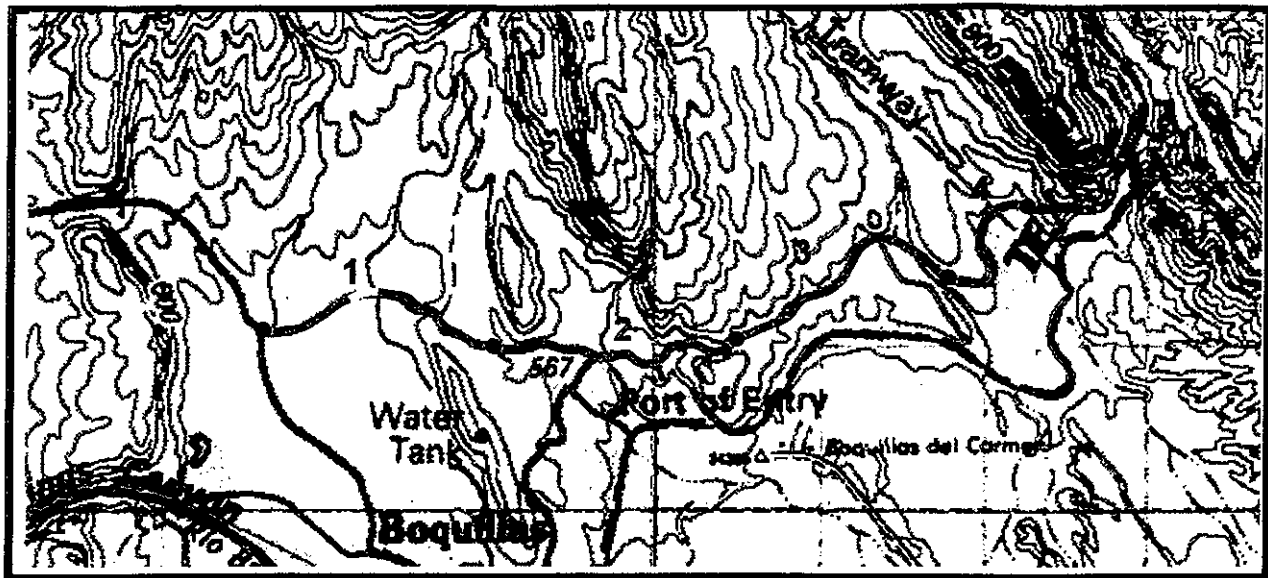
TOTAL LENGTH: 7.56 Miles

Section Number	6	7	8		
Section Length (mi)	1.00	1.00	0.56		
AADT	132	132	132		
SADT	156	156	156		
ADT Date	0994	0994	0994		
Cross Section Information					
Number of Lanes	2	2	2		
Paved Width (ft)	22	22	22		
Lane Width (ft)	11	11	11		
Shoulder Width (ft)	5	5	5		
Roadway Condition Information					
PCR (Pavement Condition Rating)	68	66	70		
Roughness Index	73	68	80		
SCR (Surface Condition Rating)	64	67	63		
Alligator Cracking	100	99	100		
Rutting Index	81	82	84		
Patching Index	100	100	100		
Transverse Cracking	75	80	72		
Longitudinal Cracking	98	96	99		
Shoulder Condition Rating	Good	Good	Good		
Drainage Condition Rating	Good	Good	Good		

COMMENTS:

MP 5.71 - Intersection left - Santa Elena River Access
 MP 6.80 - Intersection left - Santa Elena Canyon Overlook
 MP 6.99 - Intersection right - Old Maverick Road

ROUTE: 016 Santa Elena Canyon Road



PCR Excellent Good Fair Poor DCR Poor

* If the PCR rating is not available for a section, the SCR rating will be displayed

Southwest Region
BIBE

ROUTE: 109 Boquillas Canyon Road

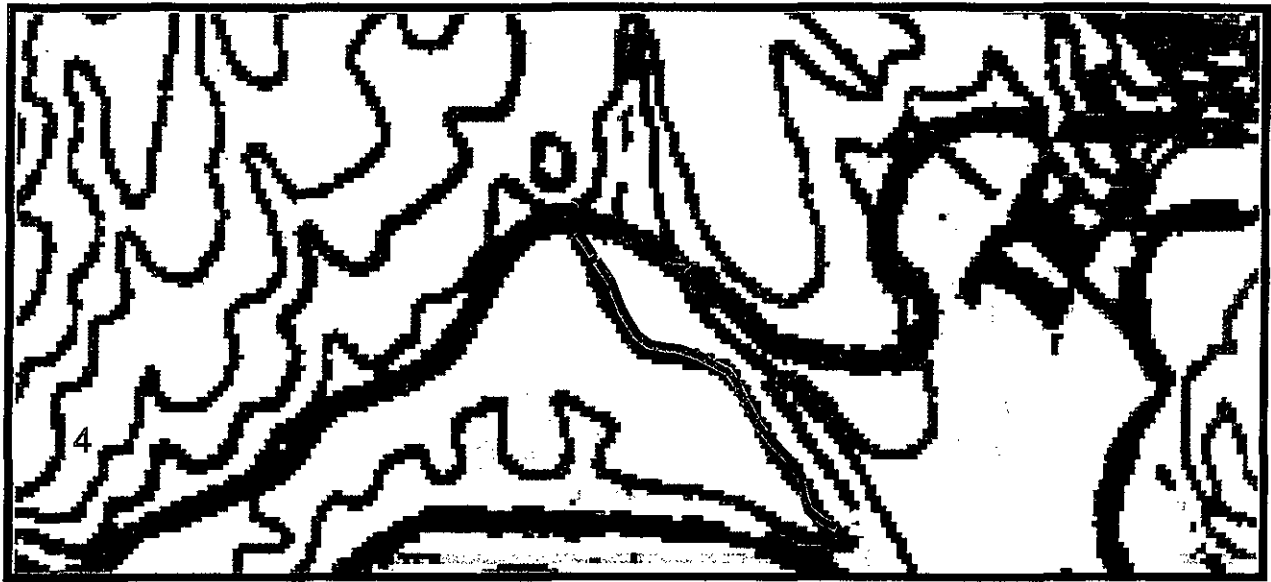
TOTAL LENGTH: 3.6 Miles

Section Number	1	2	3	4	
Section Length (mi)	1.00	1.00	1.00	0.60	
AADT	125	125	125	125	
SADT	147	147	147	147	
ADT Date	0994	0994	0994	0994	
Cross Section Information					
Number of Lanes	2	2	2	2	
Paved Width (ft)	20	20	20	20	
Lane Width (ft)	10	10	10	10	
Shoulder Width (ft)	4	4	0	0	
Roadway Condition Information					
PCR (Pavement Condition Rating)	40	32	33	40	
Roughness Index	39	32	22	28	
SCR (Surface Condition Rating)	42	33	41	47	
Alligator Cracking	99	100	100	99	
Rutting Index	85	81	76	84	
Patching Index	100	100	100	100	
Transverse Cracking	62	51	65	66	
Longitudinal Cracking	96	97	97	97	
Shoulder Condition Rating	Good	Good	NA	NA	
Drainage Condition Rating	Good	Good	Good	Good	

COMMENTS:

MP 0.00 - Photo 1886 - Begin at Rte 012
 MP 1.38 - Intersection right - Boquillas Crossing
 MP 1.64 - Intersection right - Private Residence
 MP 2.71 - Intersection right - Boquillas Canyon Overlook
 MP 3.60 - End at Boquillas Canyon Trailhead

ROUTE: 109 Boquillas Canyon Road



PCR Excellent Good Fair Poor DCR Poor

* If the PCR rating is not available for a section, the SCR rating will be displayed

Southwest Region
BIBE

ROUTE: 110 Boquillas Canyon Overlook

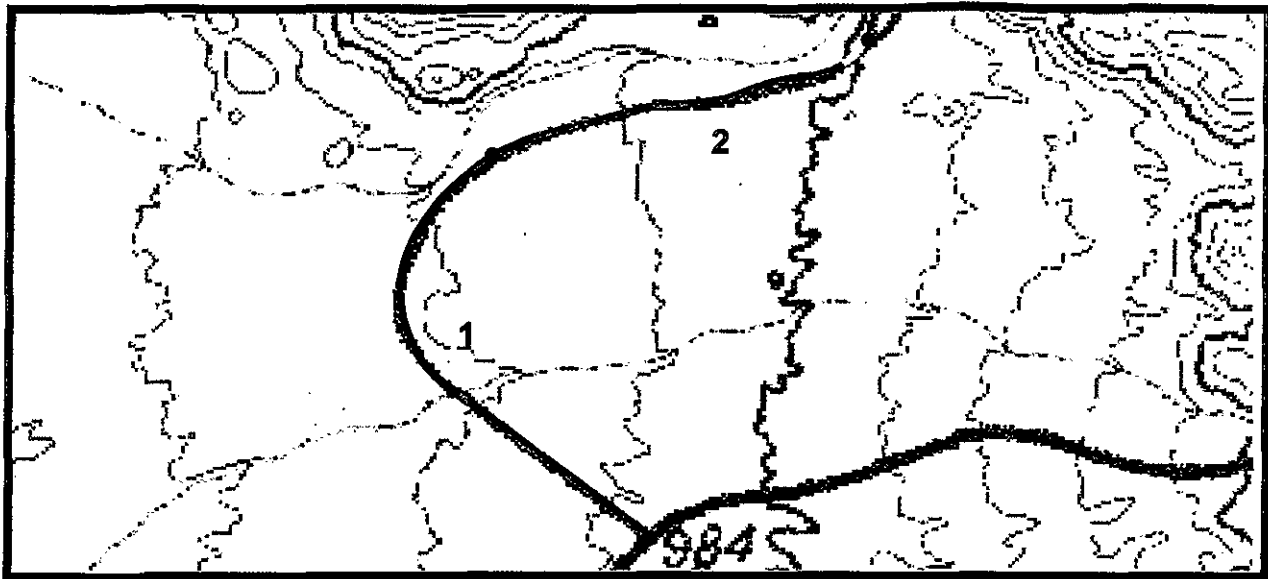
TOTAL LENGTH: 0.56 Miles

Section Number	1				
Section Length (mi)	0.56				
AADT	125				
SADT	147				
ADT Date	0994				
Cross Section Information					
Number of Lanes	2				
Paved Width (ft)	16				
Lane Width (ft)	8				
Shoulder Width (ft)	0				
Roadway Condition Information					
PCR (Pavement Condition Rating)	29				
Roughness Index	18				
SCR (Surface Condition Rating)	40				
Alligator Cracking	99				
Rutting Index	75				
Patching Index	100				
Transverse Cracking	69				
Longitudinal Cracking	92				
Shoulder Condition Rating	NA				
Drainage Condition Rating	Good				

COMMENTS:

MP 0.00 - Photo 1887 - Begin at Rte 109
 MP 0.05 - Begin CCW loop
 MP 0.56 - End loop and Rte

ROUTE: 110 Boquillas Canyon Overlook



PCR Excellent Good Fair Poor DCR Poor

* If the PCR rating is not available for a section, the SCR rating will be displayed

Southwest Region
BIBE

ROUTE: 113 Burro Mesa Pouroff Road

TOTAL LENGTH: 1.74 Miles

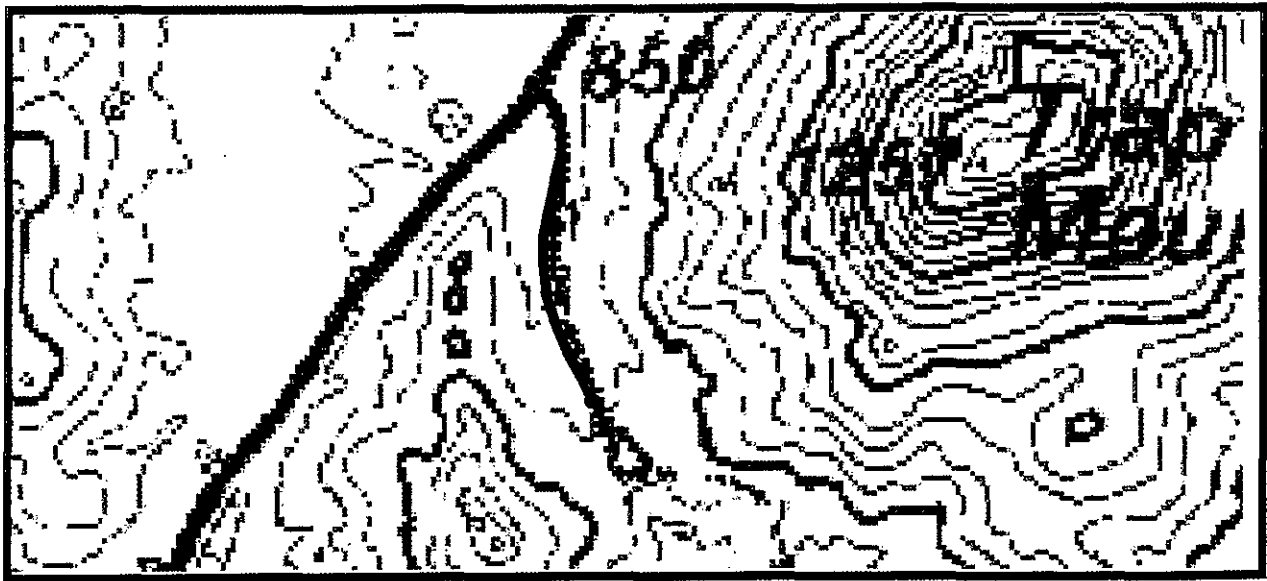
Section Number	1	2			
Section Length (mi)	1.00	0.74			
AADT	NA	NA			
SADT	NA	NA			
ADT Date	NA	NA			
Cross Section Information					
Number of Lanes	2	2			
Paved Width (ft)	22	22			
Lane Width (ft)	11	11			
Shoulder Width (ft)	0	0			
Roadway Condition Information					
PCR (Pavement Condition Rating)	95	94			
Roughness Index	98	95			
SCR (Surface Condition Rating)	94	93			
Alligator Cracking	100	100			
Rutting Index	97	98			
Patching Index	100	100			
Transverse Cracking	99	98			
Longitudinal Cracking	100	100			
Shoulder Condition Rating	NA	NA			
Drainage Condition Rating	Good	Good			

COMMENTS:

MP 0.00 - Photo R1-14 - Begin at Rte 015

MP 1.74 - End at beginning of loop

ROUTE: 113 Burro Mesa Pouroff Road



PCR Excellent Good Fair Poor DCR Poor

* If the PCR rating is not available for a section, the SCR rating will be displayed

Southwest Region
BIBE

ROUTE: 114 Mule Ears Overlook Road

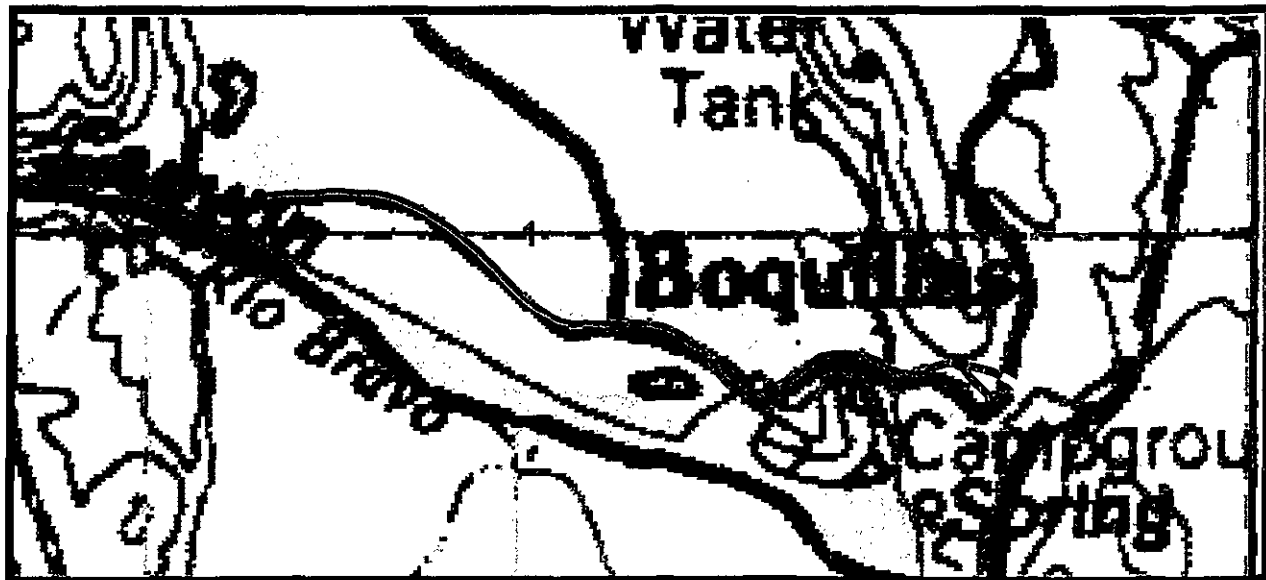
TOTAL LENGTH: 0.44 Miles

Section Number	1				
Section Length (mi)	0.44				
AADT	NA				
SADT	NA				
ADT Date	NA				
Cross Section Information					
Number of Lanes	2				
Paved Width (ft)	22				
Lane Width (ft)	11				
Shoulder Width (ft)	0				
Roadway Condition Information					
PCR (Pavement Condition Rating)	93				
Roughness Index	90				
SCR (Surface Condition Rating)	93				
Alligator Cracking	100				
Rutting Index	98				
Patching Index	100				
Transverse Cracking	98				
Longitudinal Cracking	100				
Shoulder Condition Rating	NA				
Drainage Condition Rating	Good				

COMMENTS:

MP 0.00 - Begin at Rte 015
MP 0.44 - End at beginning of loop

ROUTE: 114 Mule Ears Overlook Road



PCR Excellent Good Fair Poor DCR Poor

* If the PCR rating is not available for a section, the SCR rating will be displayed

Southwest Region
BIBE

ROUTE: 201 Rio Grande Village Road

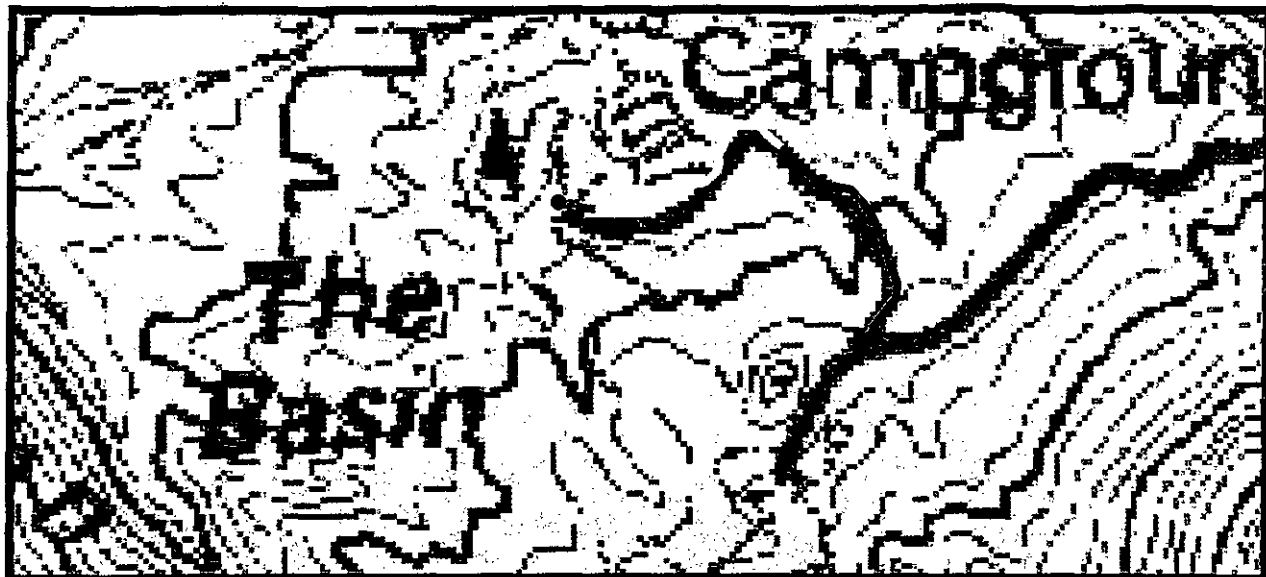
TOTAL LENGTH: 1.58 Miles

Section Number	1	2			
Section Length (mi)	1.00	0.58			
AADT	167	167			
SADT	197	197			
ADT Date	0994	0994			
Cross Section Information					
Number of Lanes	2	2			
Paved Width (ft)	16	14			
Lane Width (ft)	8	7			
Shoulder Width (ft)	3	3			
Roadway Condition Information					
PCR (Pavement Condition Rating)	42	42			
Roughness Index	33	21			
SCR (Surface Condition Rating)	48	57			
Alligator Cracking	100	100			
Rutting Index	79	75			
Patching Index	100	100			
Transverse Cracking	64	73			
Longitudinal Cracking	98	99			
Shoulder Condition Rating	Good	Good			
Drainage Condition Rating	Good	Good			

COMMENTS:

MP 0.00 - Begin at Rio Grande Picnic Area
 MP 0.52 - Intersection right - Rio Grande Trailer Parking
 MP 0.63 - Intersection right - Rio Grande Store Parking
 MP 0.68 - Intersection right - Rio Grande Store parking
 MP 0.68 - Intersection left - Rio Grande Road
 MP 0.70 - Intersection right - Rio Grande Store Parking
 MP 0.91 - Intersection right - Rio Grande Amphitheater
 MP 0.99 - Intersection right - Rio Grande Village C.G.
 MP 1.11 - Intersection right - Rio Grande Village C.G.
 MP 1.34 - Begin clockwise loop
 MP 1.42 - Intersection left - Water Tank Road
 MP 1.58 - End at beginning of loop

ROUTE: 201 Rio Grande Village Road



PCR Excellent Good Fair Poor DCR Poor

* If the PCR rating is not available for a section, the SCR rating will be displayed

Southwest Region
BIBE

ROUTE: 206 Lower Basin Campground road

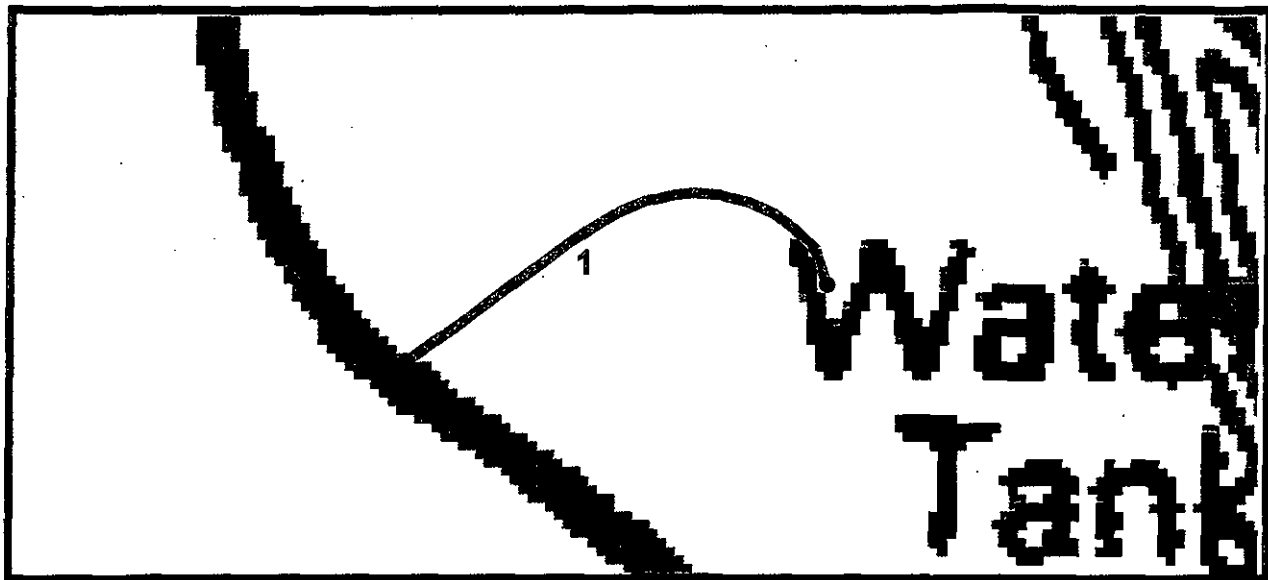
TOTAL LENGTH: 0.62 Miles

Section Number	1				
Section Length (mi)	0.62				
AADT	NA				
SADT	NA				
ADT Date	NA				
Cross Section Information					
Number of Lanes	2				
Paved Width (ft)	20				
Lane Width (ft)	10				
Shoulder Width (ft)	0				
Roadway Condition Information					
PCR (Pavement Condition Rating)	NA				
Roughness Index	77				
SCR (Surface Condition Rating)	85				
Alligator Cracking	100				
Rutting Index	90				
Patching Index	100				
Transverse Cracking	96				
Longitudinal Cracking	98				
Shoulder Condition Rating	NA				
Drainage Condition Rating	Good				

COMMENTS:

MP 0.00 - Begin at Chisos Basin Road
 MP 0.38 - Intersection right - Class A Campground
 MP 0.41 - Intersection left - Amphitheater Parking
 MP 0.41 - Intersection right - Class A Campground
 MP 0.46 - Intersection left - Amphitheater Parking
 MP 0.61 - Intersection right - Basin Group Campground
 MP 0.62 - End at end of yellow stripe

ROUTE: 206 Lower Basin Campground road



PCR Excellent  Good  Fair  Poor  DCR Poor 
 * If the PCR rating is not available for a section, the SCR rating will be displayed

Southwest Region
BIBE

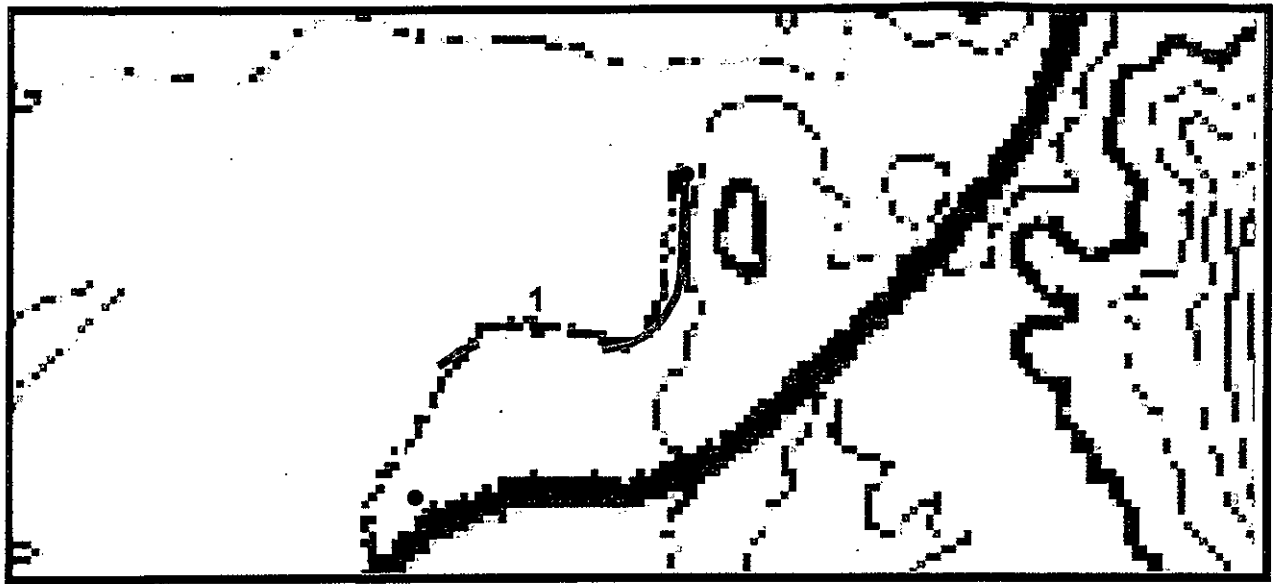
ROUTE: 405 Rio Grande Residence Road

TOTAL LENGTH: 0.36 Miles

Section Number	1				
Section Length (mi)	0.36				
AADT	167				
SADT	197				
ADT Date	0994				
Cross Section Information					
Number of Lanes	2				
Paved Width (ft)	16				
Lane Width (ft)	8				
Shoulder Width (ft)	4				
Roadway Condition Information					
PCR (Pavement Condition Rating)	46				
Roughness Index	18				
SCR (Surface Condition Rating)	62				
Alligator Cracking	100				
Rutting Index	85				
Patching Index	100				
Transverse Cracking	78				
Longitudinal Cracking	100				
Shoulder Condition Rating	Good				
Drainage Condition Rating	Good				

COMMENTS:

ROUTE: 405 Rio Grande Residence Road



PCR Excellent Good Fair Poor DCR Poor

* If the PCR rating is not available for a section, the SCR rating will be displayed

Southwest Region
BIBE

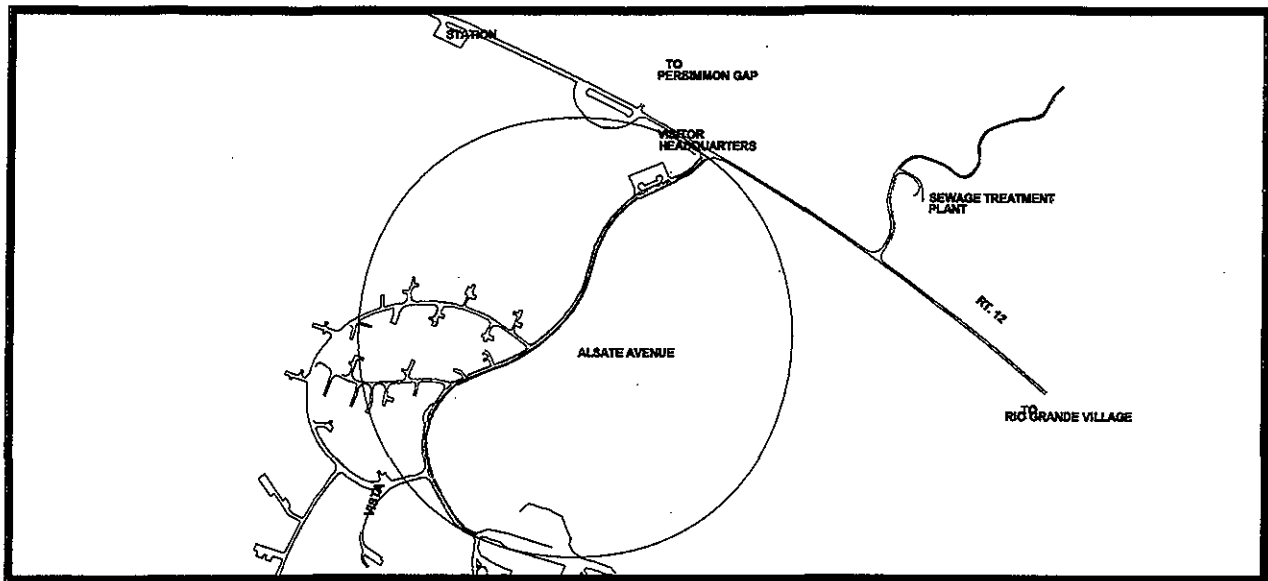
ROUTE: 426 Santa Elena Ranger Residence

TOTAL LENGTH: 0.46 Miles

Section Number	1				
Section Length (mi)	0.46				
AADT	NA				
SADT	NA				
ADT Date	NA				
Cross Section Information					
Number of Lanes	2				
Paved Width (ft)	20				
Lane Width (ft)	10				
Shoulder Width (ft)	0				
Roadway Condition Information					
PCR (Pavement Condition Rating)	61				
Roughness Index	67				
SCR (Surface Condition Rating)	57				
Alligator Cracking	98				
Rutting Index	92				
Patching Index	100				
Transverse Cracking	68				
Longitudinal Cracking	97				
Shoulder Condition Rating	NA				
Drainage Condition Rating	Good				

COMMENTS:

ROUTE: 426 Santa Elena Ranger Residence



PCR Excellent
 Good
 Fair
 Poor
 DCR Poor

* If the PCR rating is not available for a section, the SCR rating will be displayed

Southwest Region
BIBE

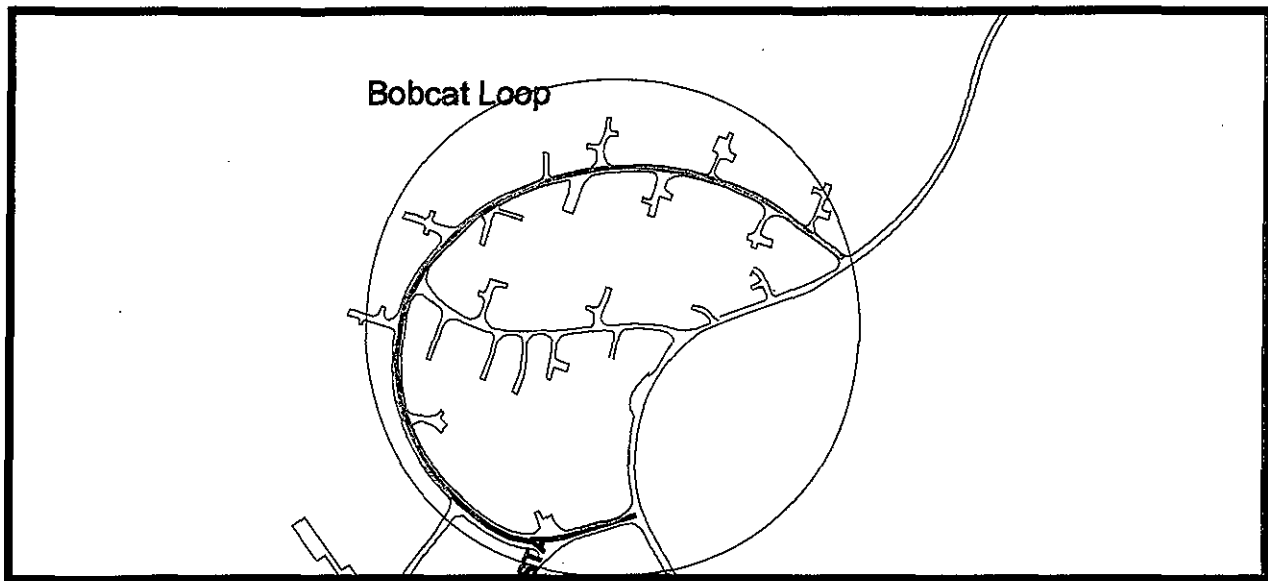
ROUTE: 428 Alsate Avenue

TOTAL LENGTH: 0.52 Miles

Section Number	1				
Section Length (mi)	0.52				
AADT	NA				
SADT	NA				
ADT Date	NA				
Cross Section Information					
Number of Lanes	2				
Paved Width (ft)	20				
Lane Width (ft)	10				
Shoulder Width (ft)	0				
Roadway Condition Information					
PCR (Pavement Condition Rating)	44				
Roughness Index	40				
SCR (Surface Condition Rating)	44				
Alligator Cracking	100				
Rutting Index	90				
Patching Index	100				
Transverse Cracking	57				
Longitudinal Cracking	96				
Shoulder Condition Rating	NA				
Drainage Condition Rating	GOOD				

COMMENTS:

ROUTE: 428 Alsate Avenue



PCR Excellent Good Fair Poor DCR Poor

* If the PCR rating is not available for a section, the SCR rating will be displayed

Southwest Region
BIBE

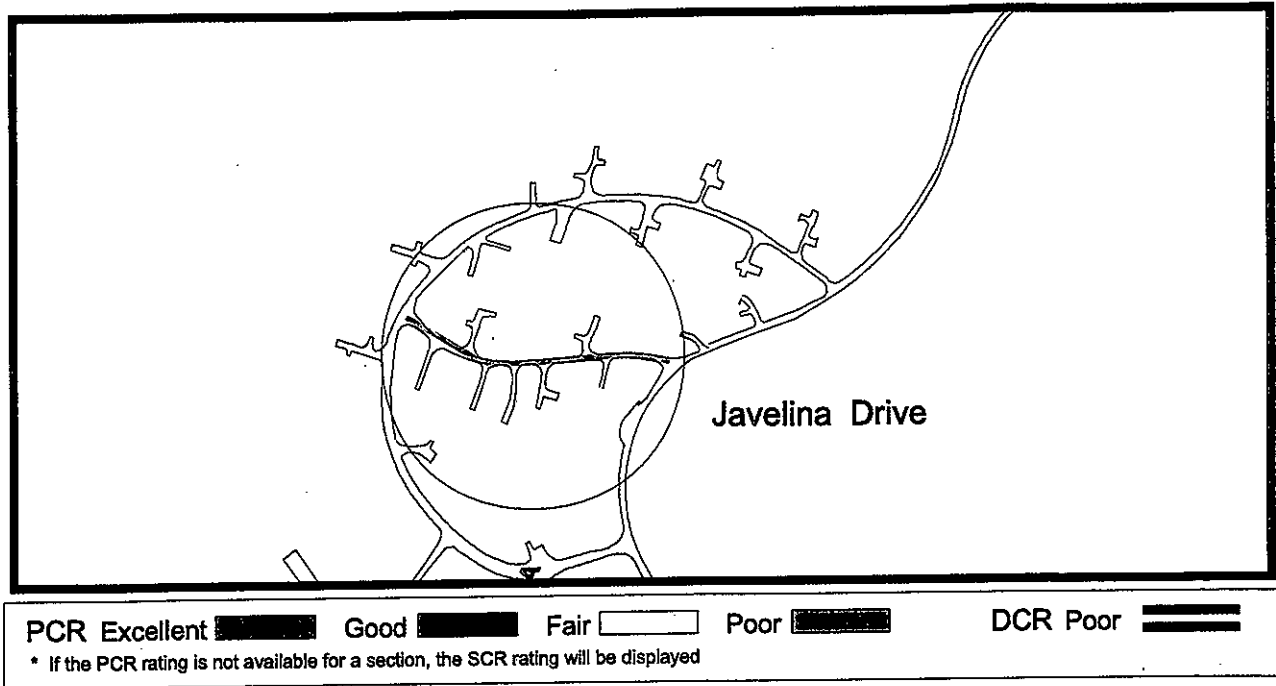
ROUTE: 429 Bobcat Loop

TOTAL LENGTH: 0.44 Miles

Section Number	1				
Section Length (mi)	0.44				
AADT	NA				
SADT	NA				
ADT Date	NA				
Cross Section Information					
Number of Lanes	2				
Paved Width (ft)	18				
Lane Width (ft)	9				
Shoulder Width (ft)	0				
Roadway Condition Information					
PCR (Pavement Condition Rating)	19				
Roughness Index	34				
SCR (Surface Condition Rating)	8				
Alligator Cracking	93				
Rutting Index	89				
Patching Index	100				
Transverse Cracking	12				
Longitudinal Cracking	95				
Shoulder Condition Rating	NA				
Drainage Condition Rating	GOOD				

COMMENTS:

ROUTE: 429 Bobcat Loop



Southwest Region
BIBE

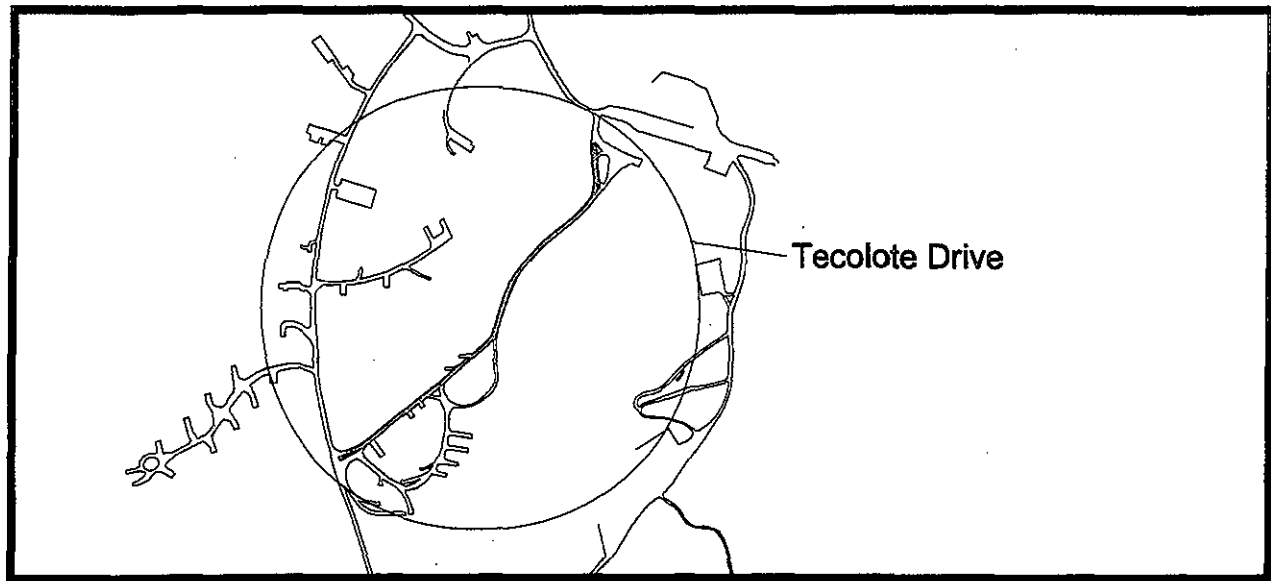
ROUTE: 430 Javelina Drive

TOTAL LENGTH: 0.12 Miles

Section Number	1				
Section Length (mi)	0.12				
AADT	NA				
SADT	NA				
ADT Date	NA				
Cross Section Information					
Number of Lanes	2				
Paved Width (ft)	18				
Lane Width (ft)	9				
Shoulder Width (ft)	0				
Roadway Condition Information					
PCR (Pavement Condition Rating)	NA				
Roughness Index	37				
SCR (Surface Condition Rating)	7				
Alligator Cracking	99				
Rutting Index	79				
Patching Index	100				
Transverse Cracking	17				
Longitudinal Cracking	95				
Shoulder Condition Rating	NA				
Drainage Condition Rating	GOOD				

COMMENTS:

ROUTE: 430 Javelina Drive



PCR Excellent
 Good
 Fair
 Poor
 DCR Poor

* If the PCR rating is not available for a section, the SCR rating will be displayed

Southwest Region
BIBE

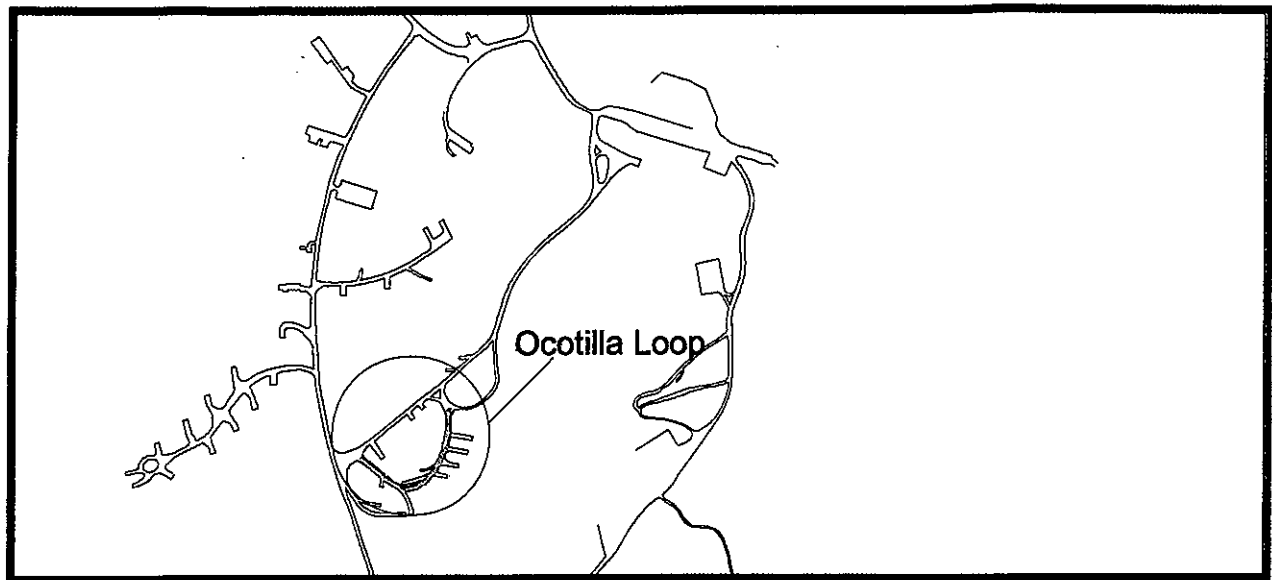
ROUTE: 433 Tecolote Drive

TOTAL LENGTH: 0.34 Miles

Section Number	1				
Section Length (mi)	0.34				
AADT	NA				
SADT	NA				
ADT Date	NA				
Cross Section Information					
Number of Lanes	2				
Paved Width (ft)	16				
Lane Width (ft)	8				
Shoulder Width (ft)	0				
Roadway Condition Information					
PCR (Pavement Condition Rating)	NA				
Roughness Index	28				
SCR (Surface Condition Rating)	46				
Alligator Cracking	101				
Rutting Index	90				
Patching Index	100				
Transverse Cracking	55				
Longitudinal Cracking	99				
Shoulder Condition Rating	NA				
Drainage Condition Rating	GOOD				

COMMENTS:

ROUTE: 433 Tecolote Drive



PCR Excellent Good Fair Poor DCR Poor

* If the PCR rating is not available for a section, the SCR rating will be displayed

Southwest Region
BIBE

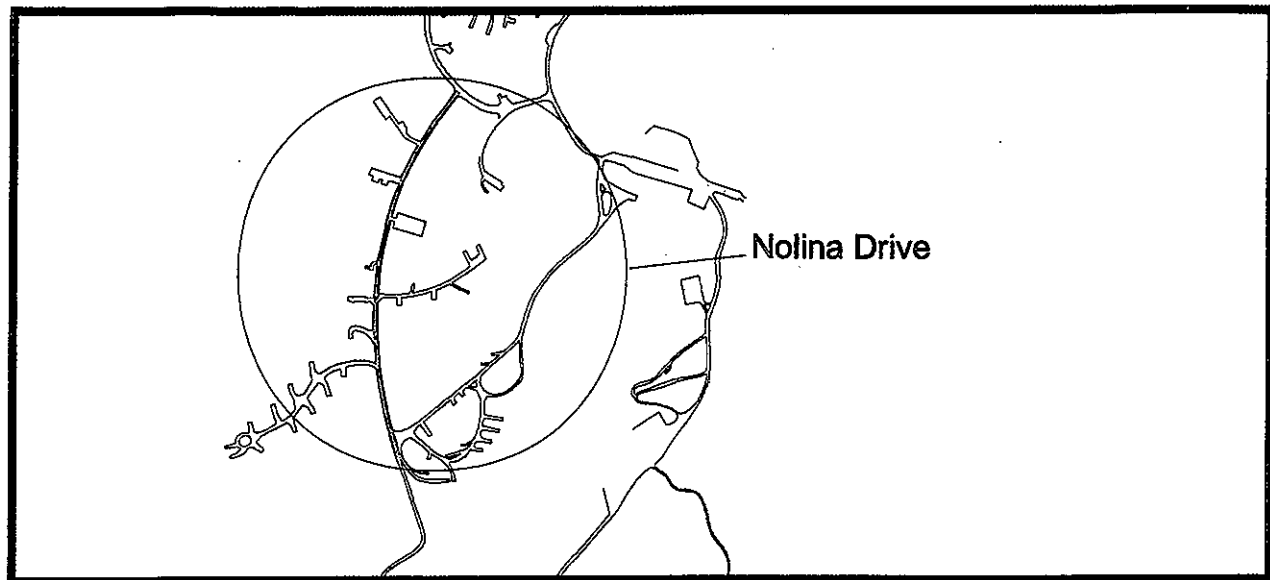
ROUTE: 435 Ocotilla Loop

TOTAL LENGTH: 0.12 Miles

Section Number	1				
Section Length (mi)	0.12				
AADT	NA				
SADT	NA				
ADT Date	NA				
Cross Section Information					
Number of Lanes	2				
Paved Width (ft)	16				
Lane Width (ft)	8				
Shoulder Width (ft)	0				
Roadway Condition Information					
PCR (Pavement Condition Rating)	NA				
Roughness Index	20				
SCR (Surface Condition Rating)	69				
Alligator Cracking	101				
Rutting Index	85				
Patching Index	100				
Transverse Cracking	81				
Longitudinal Cracking	99				
Shoulder Condition Rating	NA				
Drainage Condition Rating	FAIR				

COMMENTS:

ROUTE: 435 Ocotilla Loop



PCR Excellent Good Fair Poor DCR Poor

* If the PCR rating is not available for a section, the SCR rating will be displayed

Southwest Region
BIBE

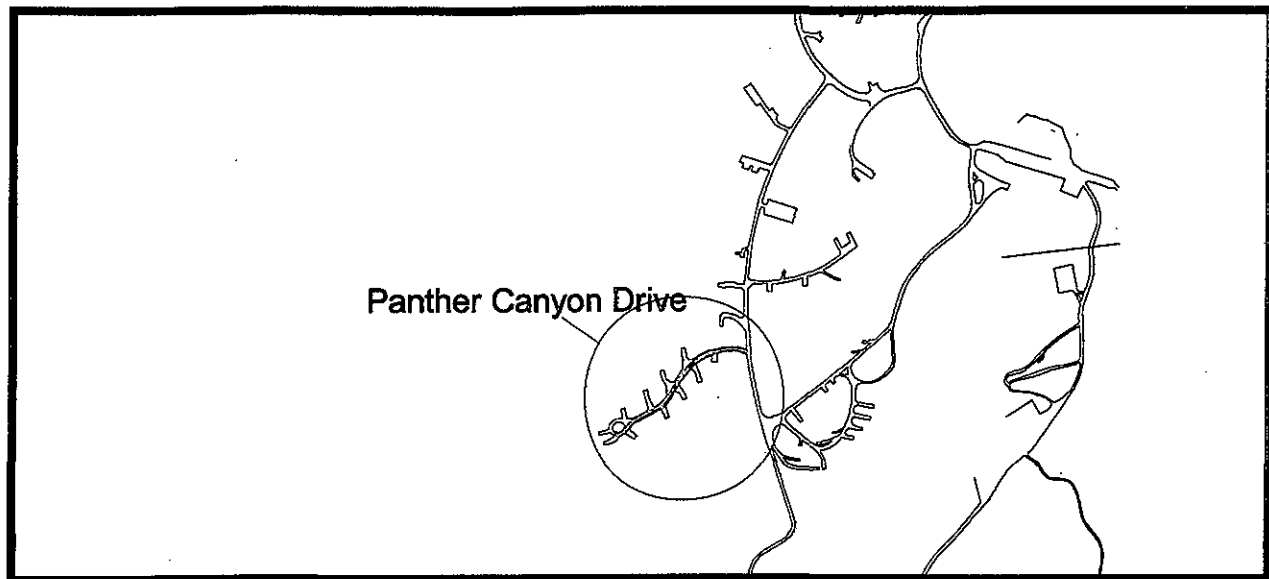
ROUTE: 436 Nolina Drive

TOTAL LENGTH: 0.36 Miles

Section Number	1				
Section Length (mi)	0.36				
AADT	NA				
SADT	NA				
ADT Date	NA				
Cross Section Information					
Number of Lanes	2				
Paved Width (ft)	18				
Lane Width (ft)	9				
Shoulder Width (ft)	0				
Roadway Condition Information					
PCR (Pavement Condition Rating)	58				
Roughness Index	47				
SCR (Surface Condition Rating)	66				
Alligator Cracking	100				
Rutting Index	89				
Patching Index	100				
Transverse Cracking	78				
Longitudinal Cracking	98				
Shoulder Condition Rating	NA				
Drainage Condition Rating	GOOD				

COMMENTS:

ROUTE: 436 Nolina Drive



PCR Excellent Good Fair Poor DCR Poor

* If the PCR rating is not available for a section, the SCR rating will be displayed

Southwest Region
BIBE

ROUTE: 440 Panther Canyon Drive

TOTAL LENGTH: 0.16 Miles

Section Number	1				
Section Length (mi)	0.16				
AADT	NA				
SADT	NA				
ADT Date	NA				
Cross Section Information					
Number of Lanes	2				
Paved Width (ft)	16				
Lane Width (ft)	8				
Shoulder Width (ft)	0				
Roadway Condition Information					
PCR (Pavement Condition Rating)	NA				
Roughness Index	19				
SCR (Surface Condition Rating)	64				
Alligator Cracking	103				
Rutting Index	71				
Patching Index	100				
Transverse Cracking	82				
Longitudinal Cracking	98				
Shoulder Condition Rating	NA				
Drainage Condition Rating	GOOD				

COMMENTS:

ROUTE: 440 Panther Canyon Drive

VI. MANUALLY RATED PAVED ROUTE CONDITION RATING SHEETS.

The following section contains routes that the ARAN cannot be driven on safely and accurately. Typically these are campground roads, which include aspects of both main routes and parking lot features. Also, these routes are designated for low-speed traffic, which does not allow the ARAN to effectively rate them.

In order to report the condition of these routes most accurately, they have been collected with both the ARAN and GPS data collection procedures. The entire route is collected using GPS, providing lane miles. Then, if possible, a sample section is collected using the ARAN, to get an objective rating of its condition. The portion is usually main thoroughfares or entrance roads.

Thus, SCR, RI, and PCR are reported, along with lane miles and a condition derived from the ARAN rating. Below the ratings will be the entire route mapped, with the sample section shown as a line in its corresponding condition color. If the ARAN could not be driven on the route, the ratings will be reported as 'NA', and the condition will be from subjective visual observation only.

Big Bend National Park

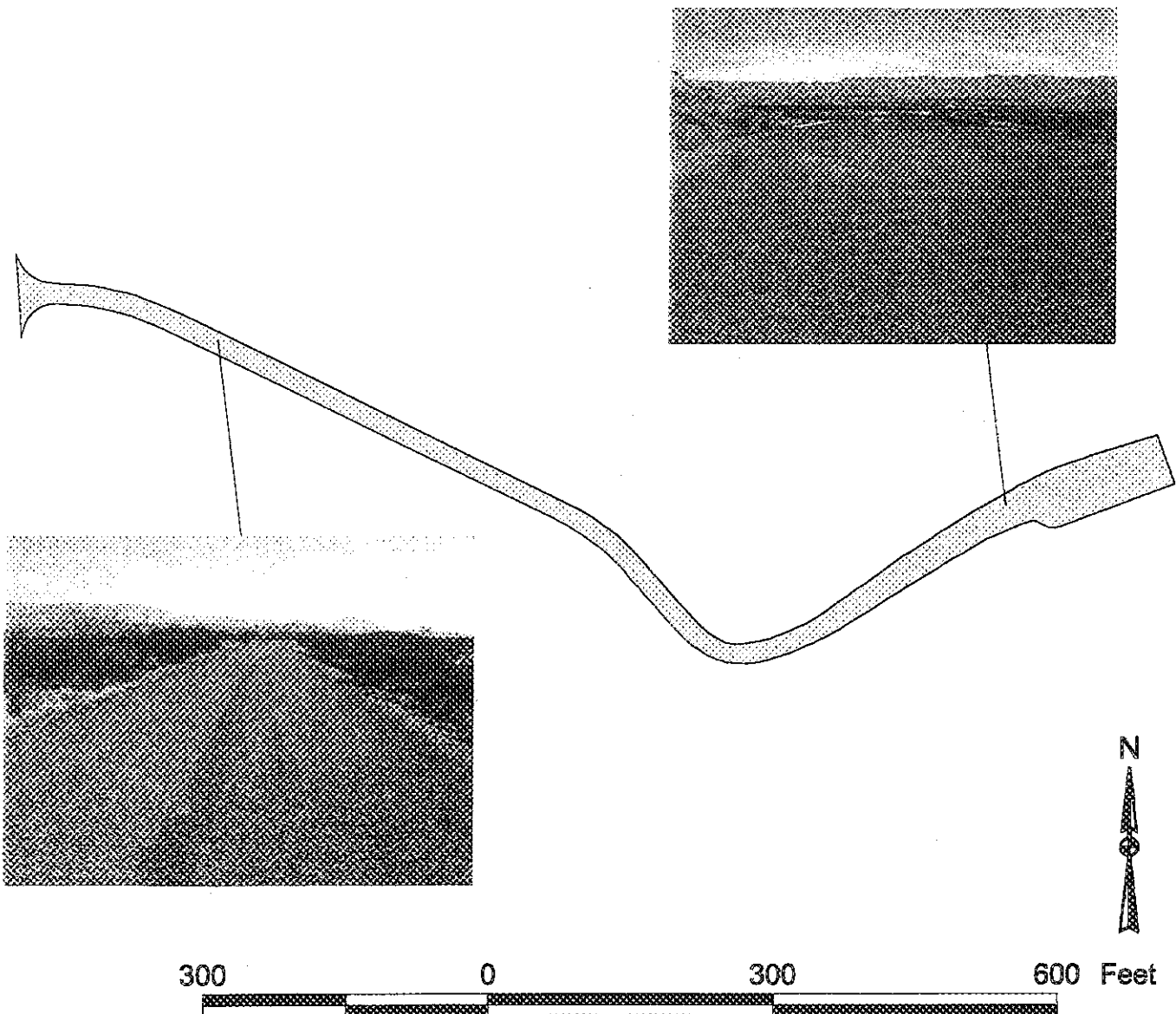
Route 103P

Fossil Bone Road

From Int Rte 11 to Parking

Route	Area (sq ft)	Lane Miles	Sample Section (mi)	Width (ft)	SCR	RI	PCR	Condition
103P	37539.8	0.65	NA	NA	NA	NA	NA	GOOD

- Length and width will be used when applicable
- Lane miles are based on 11' lane widths



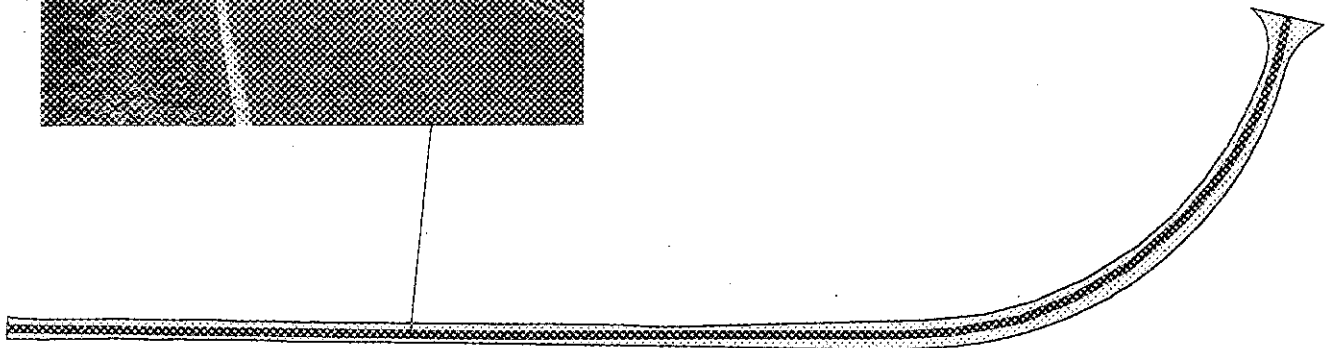
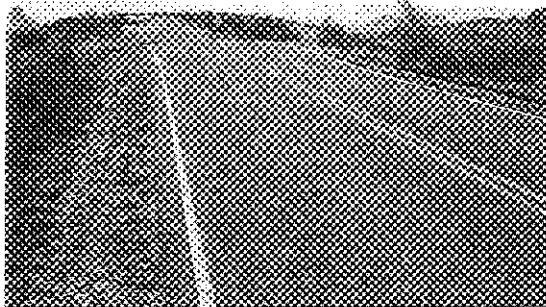
Big Bend National Park

Route 112P

Sotol Vista Overlook
From Int Rte 015 to Loop

Route	Area (sq ft)	Lane Miles	Sample Section (mi)	Width (ft)	SCR	RI	PCR	Condition
112P	29710	0.51	.26	22'	86	94	91	GOOD

- Length and width will be used when applicable
- Lane miles are based on 11' lane widths



PCR Excellent Good Fair Poor DCR Poor

* If the PCR rating is not available for a section, the SCR rating will be displayed

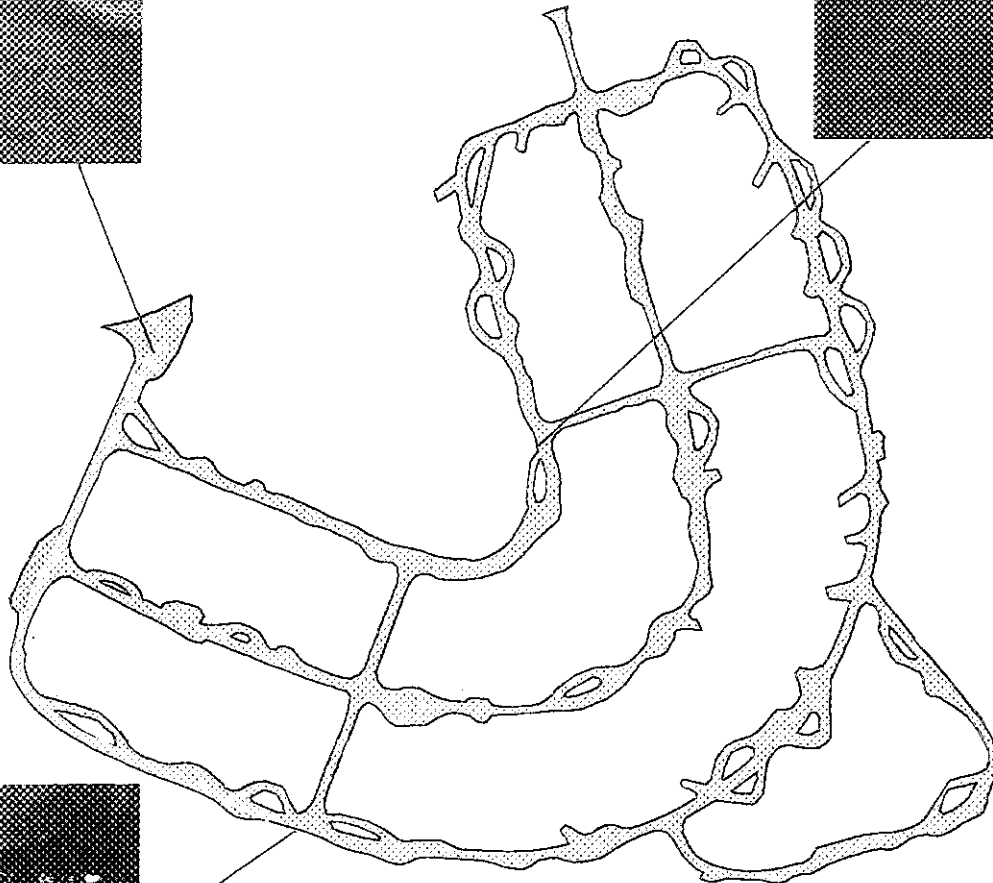
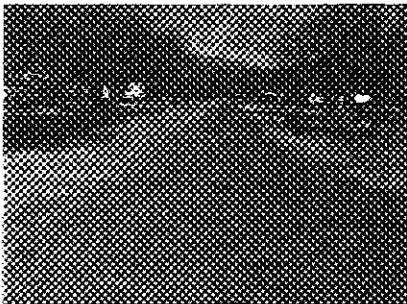
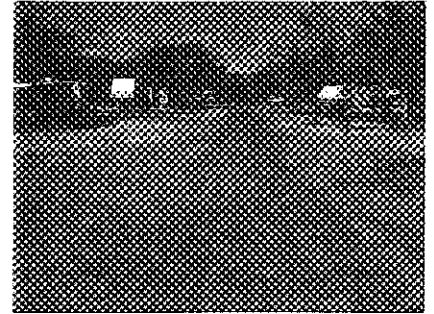
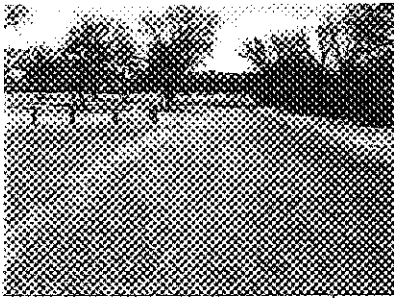
Big Bend National Park

Route 203P

Rio Grande Village Campground
Campground off of Rte 201

Route	Area (sq ft)	Lane Miles	Sample Section (mi)	Width (ft)	SCR	RI	PCR	Condition
203P	166654	2.87	.16	12	86	17	59	FAIR

- Length and width will be used when applicable
- Lane miles are based on 11' lane widths



300 0 300 600 Feet



PCR Excellent Good Fair Poor DCR Poor

* If the PCR rating is not available for a section, the SCR rating will be displayed

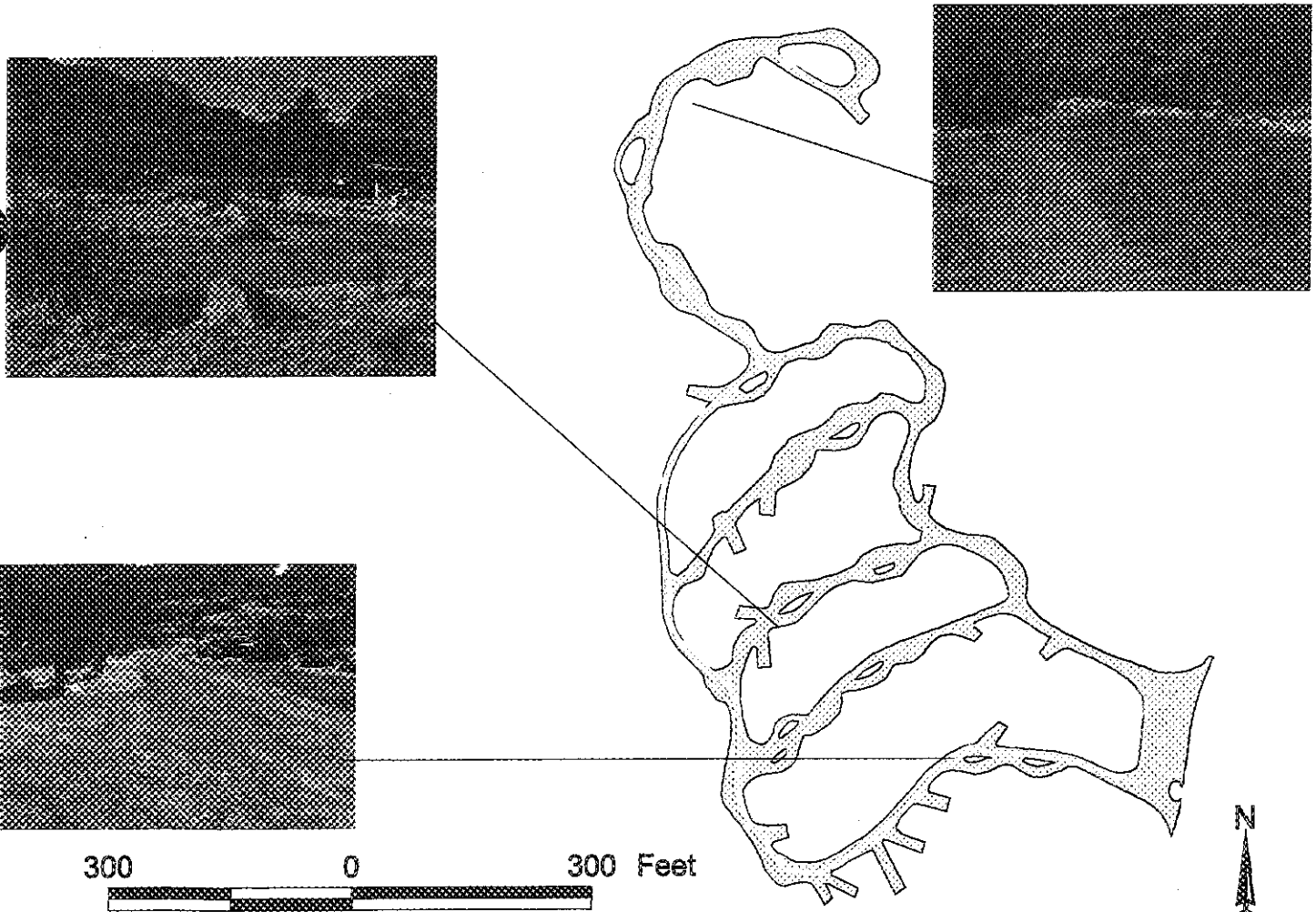
Big Bend National Park

Route 233P

Class A Campground
Campground off Rte 206

Route	Area (sq ft)	Lane Miles	Sample Section (mi)	Width (ft)	SCR	RI	PCR	Condition
233	105411	1.81	.36	12	82	NA	NA	FAIR

- Length and width will be used when applicable
- Lane miles are based on 11' lane widths



PCR Excellent Good Fair Poor DCR Poor

* If the PCR rating is not available for a section, the SCR rating will be displayed

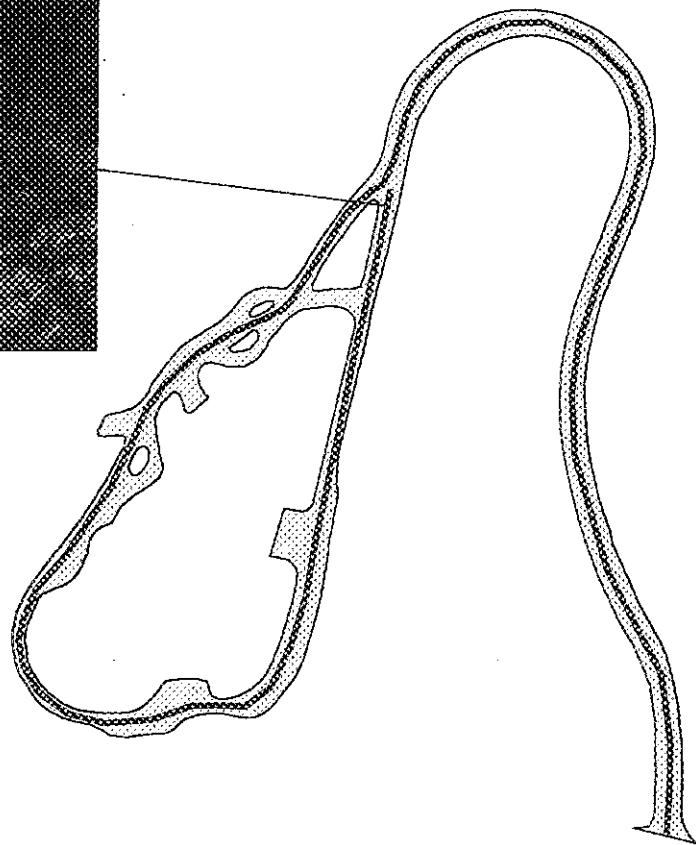
Big Bend National Park

Route 234P

Basin Group Campground
Group Campground off Rte 206

Route	Area (sq ft)	Lane Miles	Sample Section (mi)	Width (ft)	SCR	RI	PCR	Condition
234P	46029	0.79	0.38	12'	87	43	NA	GOOD

- Length and width will be used when applicable
- Lane miles are based on 11' lane widths



200 0 200 400 Feet



PCR Excellent Good Fair Poor DCR Poor

* If the PCR rating is not available for a section, the SCR rating will be displayed

Big Bend National Park

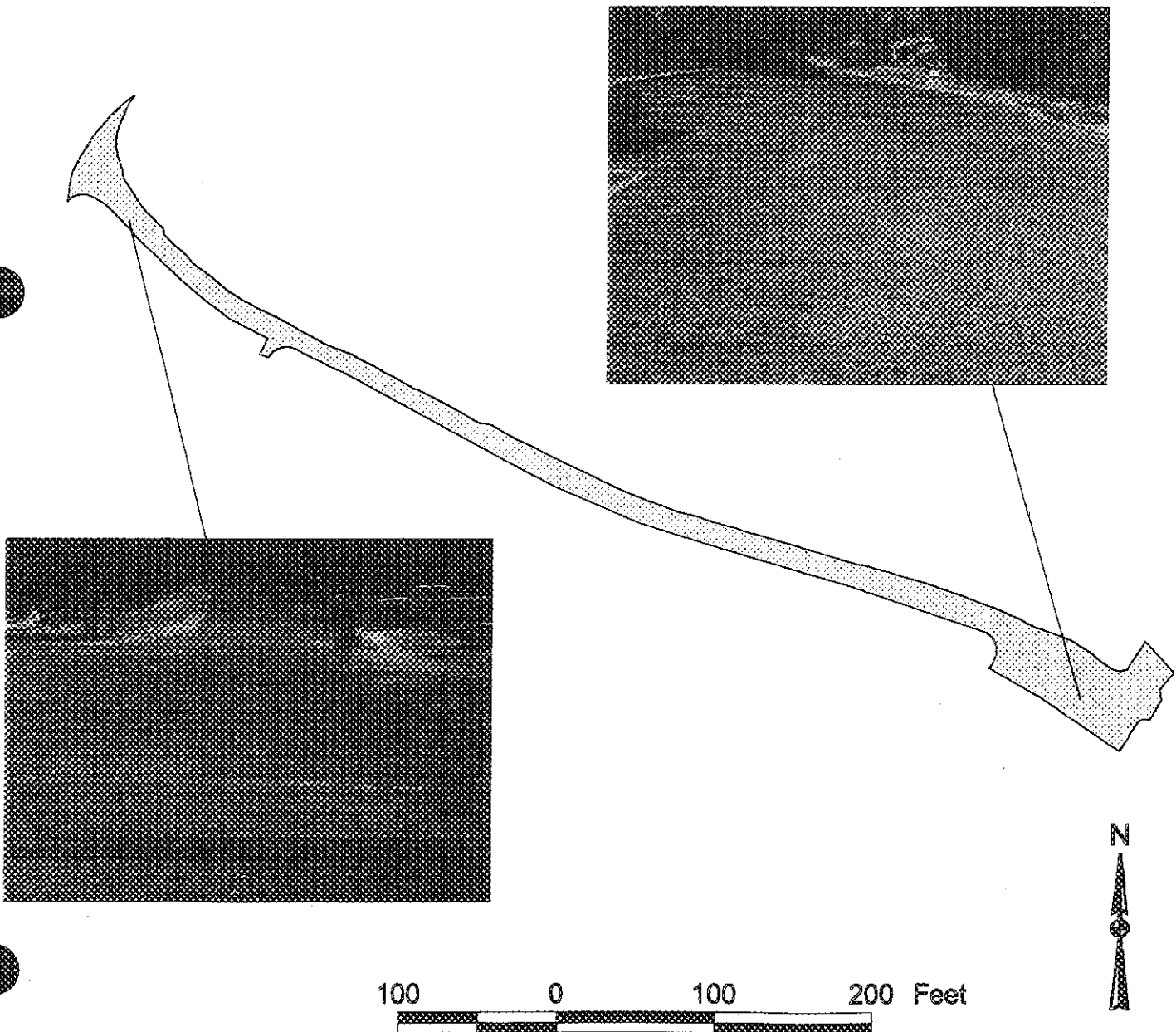
Route 417N

Basin Residence Road

From Rte 206 to end

Route	Area (sq ft)	Lane Miles	Sample Section (mi)	Width (ft)	SCR	RI	PCR	Condition
417N	15377.1	0.26	NA	NA	NA	NA	NA	GOOD

- Length and width will be used when applicable
- Lane miles are based on 11' lane widths



Big Bend National Park

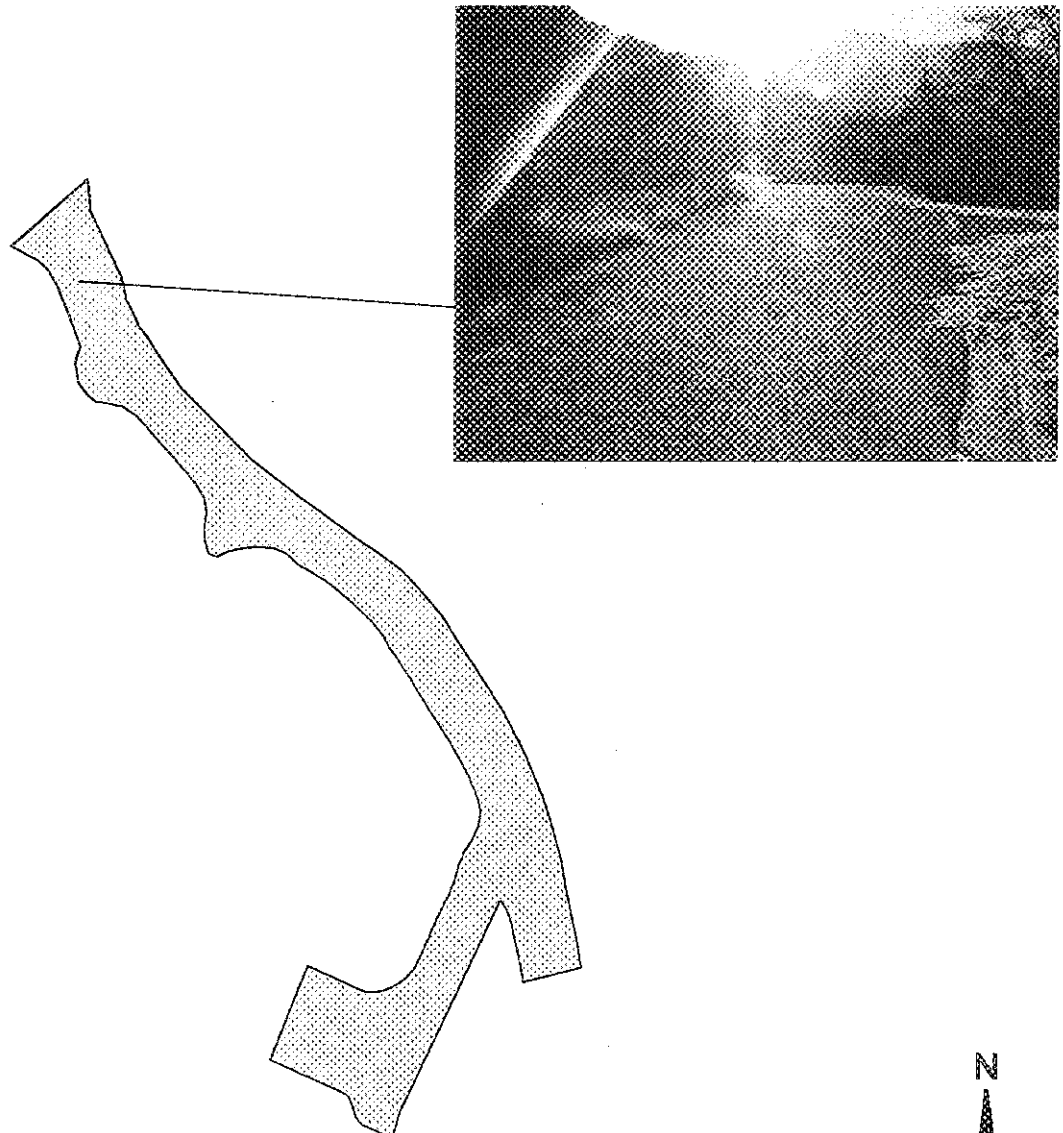
Route 418N

Basin Residence Road

From Rte 920 to end

Route	Area (sq ft)	Lane Miles	Sample Section (mi)	Width (ft)	SCR	RI	PCR	Condition
418N	7468.32	0.13	NA	NA	NA	NA	NA	GOOD

- Length and width will be used when applicable
- Lane miles are based on 11' lane widths



Big Bend National Park

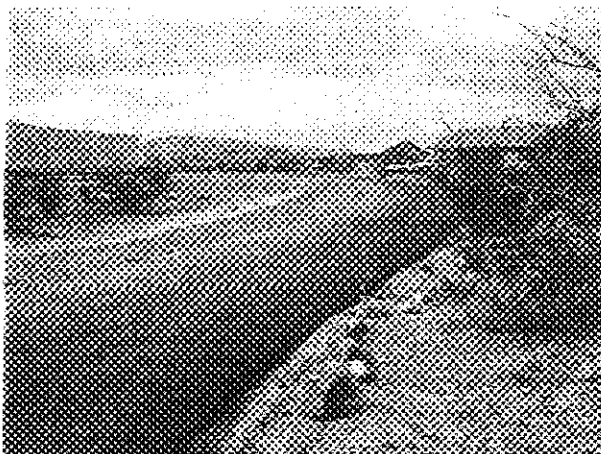
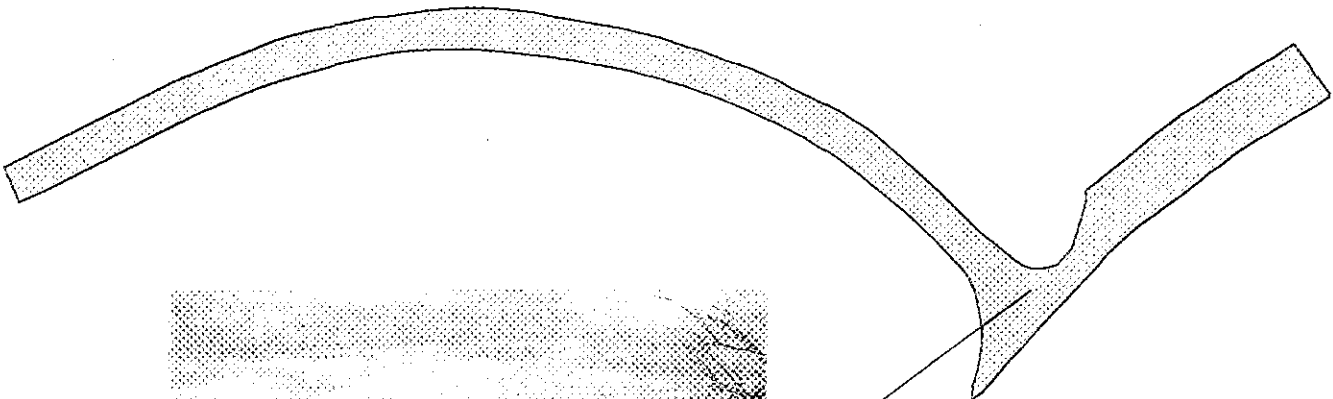
Route 427N

Castolon Ranger Resid

From Rte 426 to end

Route	Area (sq ft)	Lane Miles	Sample Section (mi)	Width (ft)	SCR	RI	PCR	Condition
427N	8855.05	0.15	NA	NA	NA	NA	NA	GOOD

- Length and width will be used when applicable
- Lane miles are based on 11' lane widths



100 0 100 200 Feet



Big Bend National Park

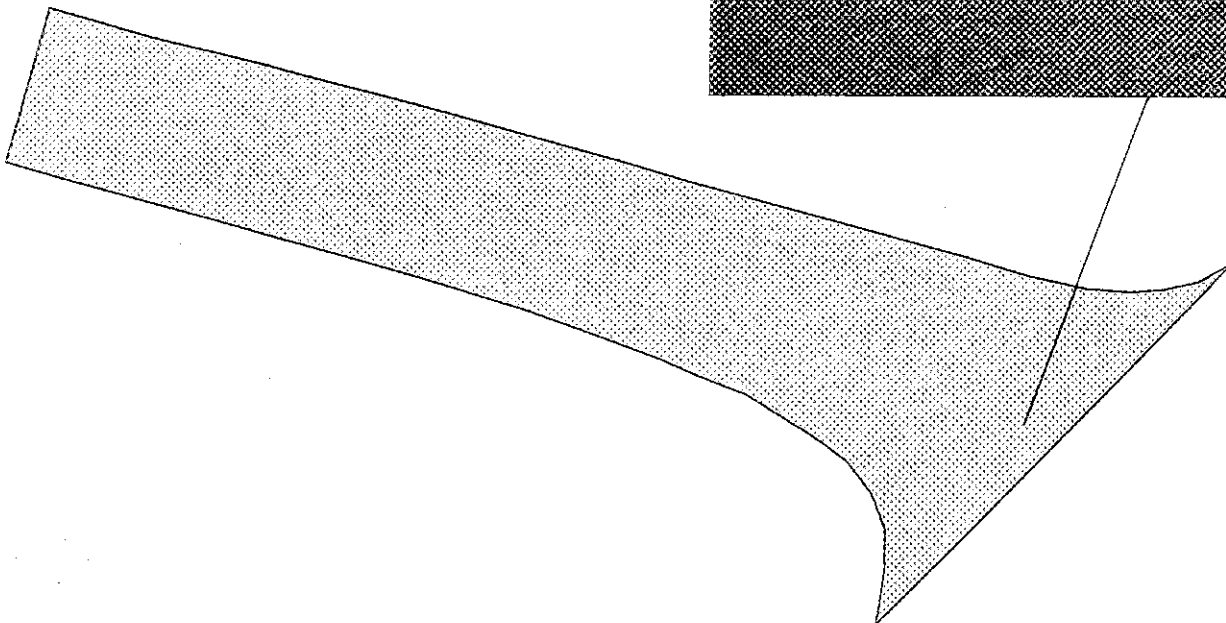
Route 431N

Quail Run

From Bobcat Loop to end

Route	Area (sq ft)	Lane Miles	Sample Section (mi)	Width (ft)	SCR	RI	PCR	Condition
431N	2963.28	.05	NA	NA	NA	NA	NA	POOR

- Length and width will be used when applicable
- Lane miles are based on 11' lane widths



Big Bend National Park

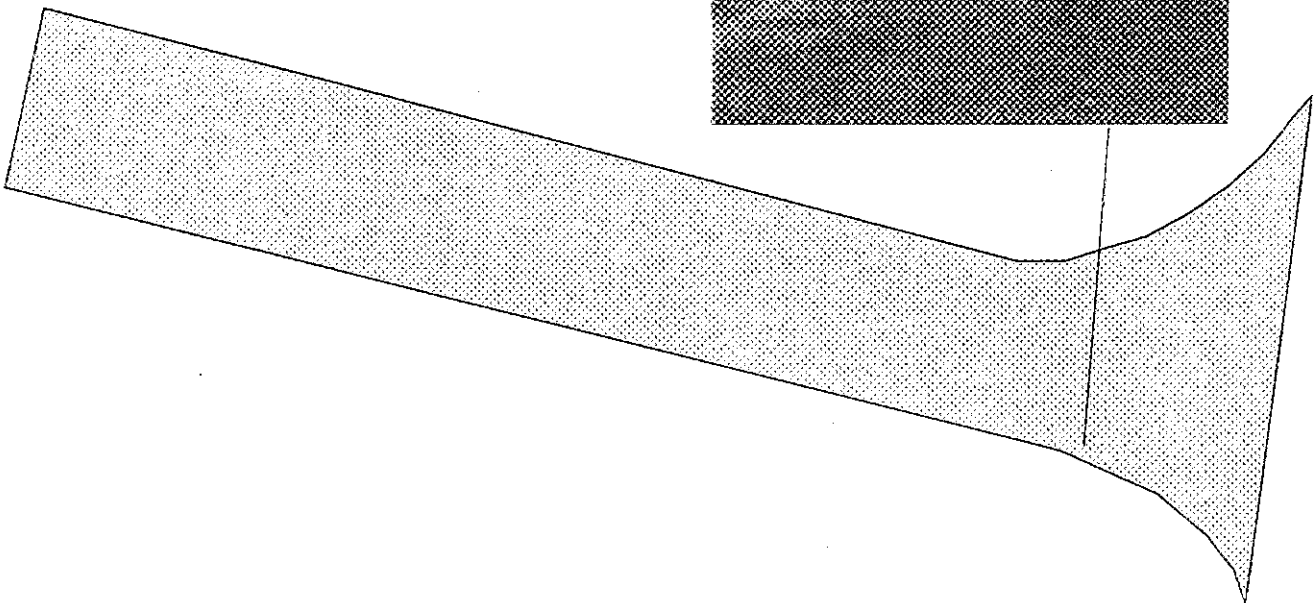
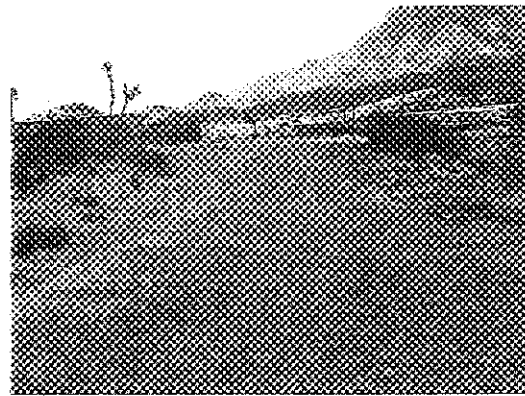
Route 432N

Quail Run

From Bobcat Loop to end

Route	Area (sq ft)	Lane Miles	Sample Section (mi)	Width (ft)	SCR	RI	PCR	Condition
432N	2358.87	0.04	NA	NA	NA	NA	NA	FAIR

- Length and width will be used when applicable
- Lane miles are based on 11' lane widths



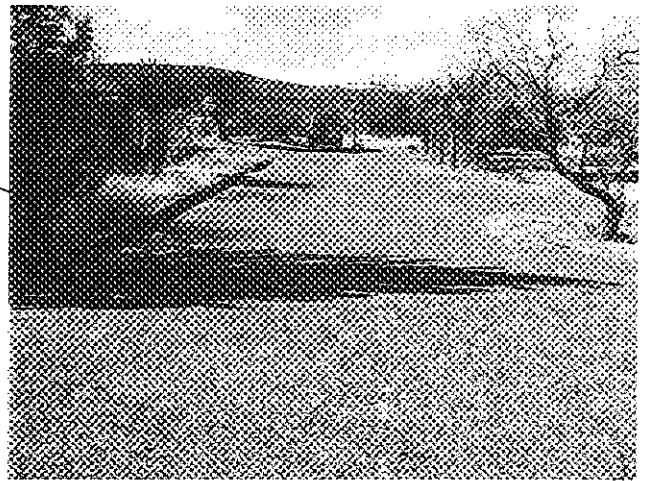
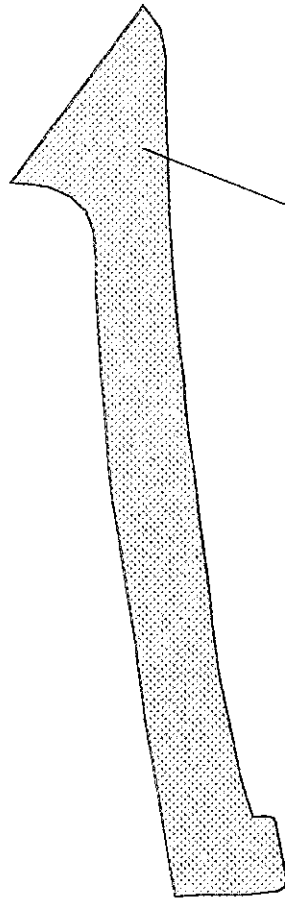
Big Bend National Park

Route 434N

La Junta Circle
From Tecolote Drive to end

Route	Area (sq ft)	Lane Miles	Sample Section (mi)	Width (ft)	SCR	RI	PCR	Condition
434N	2775.61	0.05	NA	NA	NA	NA	NA	FAIR

- Length and width will be used when applicable
- Lane miles are based on 11' lane widths



Big Bend National Park

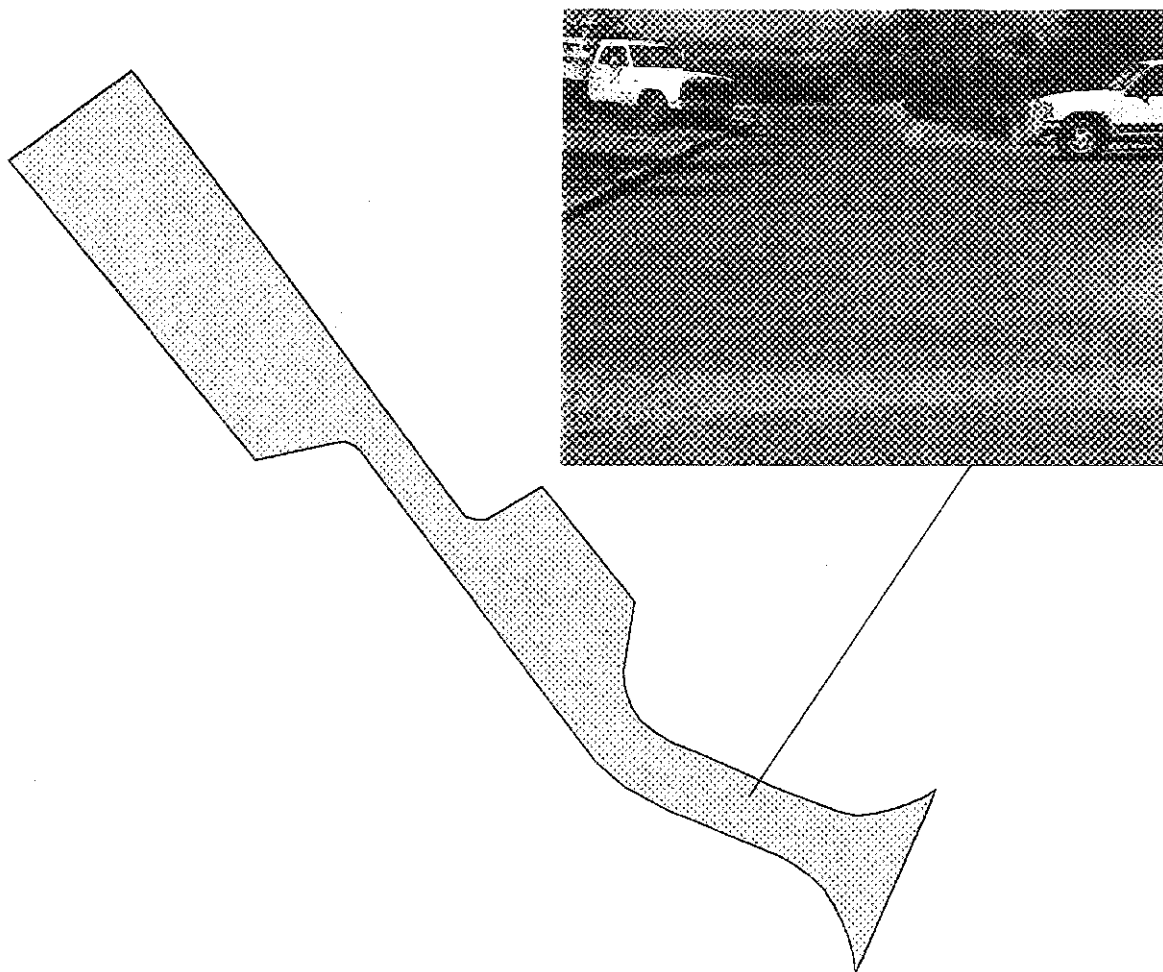
Route 437N

Chino Court

From Nolina Dr to end

Route	Area (sq ft)	Lane Miles	Sample Section (mi)	Width (ft)	SCR	RI	PCR	Condition
437N	9475.77	0.16	NA	NA	NA	NA	NA	FAIR

- Length and width will be used when applicable
- Lane miles are based on 11' lane widths



80 0 80 160 Feet



Big Bend National Park

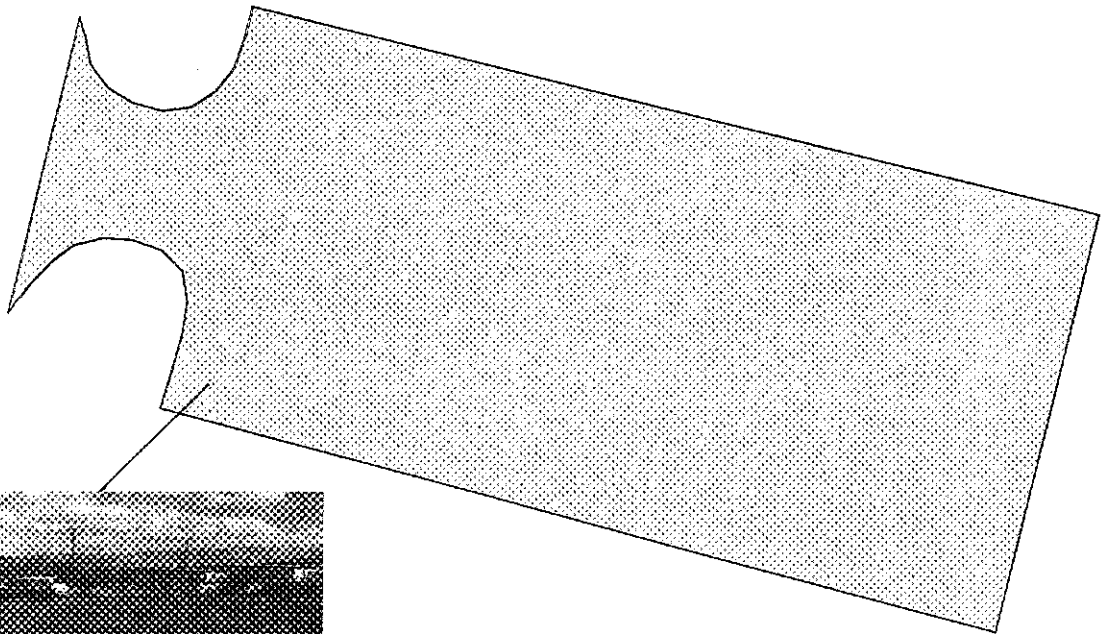
Route 438N

Holly Lane

From Nolina Dr to end

Route	Area (sq ft)	Lane Miles	Sample Section (mi)	Width (ft)	SCR	RI	PCR	Condition
438N	10680.1	0.18	NA	NA	NA	NA	NA	FAIR

- Length and width will be used when applicable
- Lane miles are based on 11' lane widths



Big Bend National Park

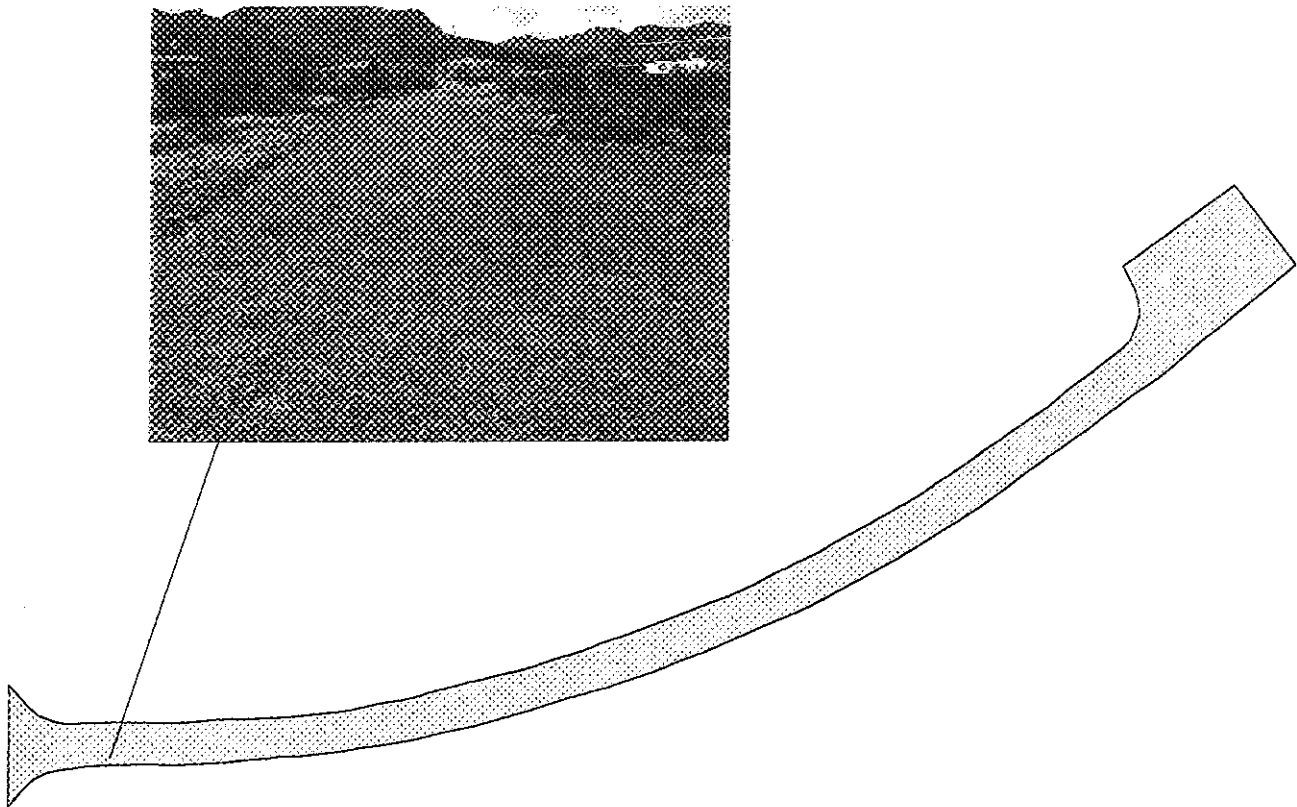
Route 439N

Paisano Place

From Nolina Dr to end

Route	Area (sq ft)	Lane Miles	Sample Section (mi)	Width (ft)	SCR	RI	PCR	Condition
439N	11355.7	0.20	NA	NA	NA	NA	NA	FAIR

- Length and width will be used when applicable
- Lane miles are based on 11' lane widths



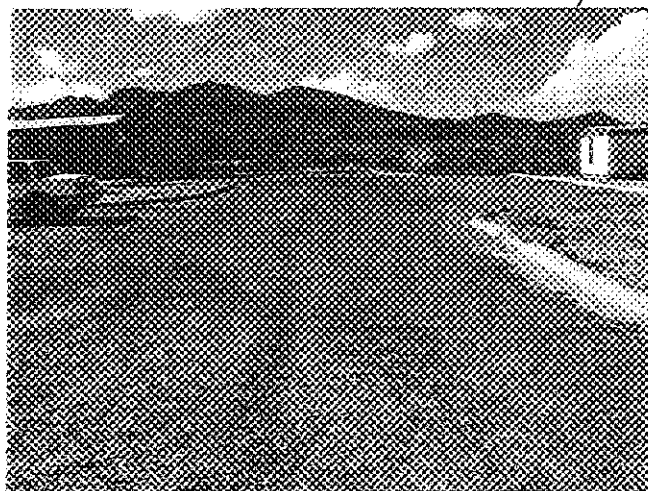
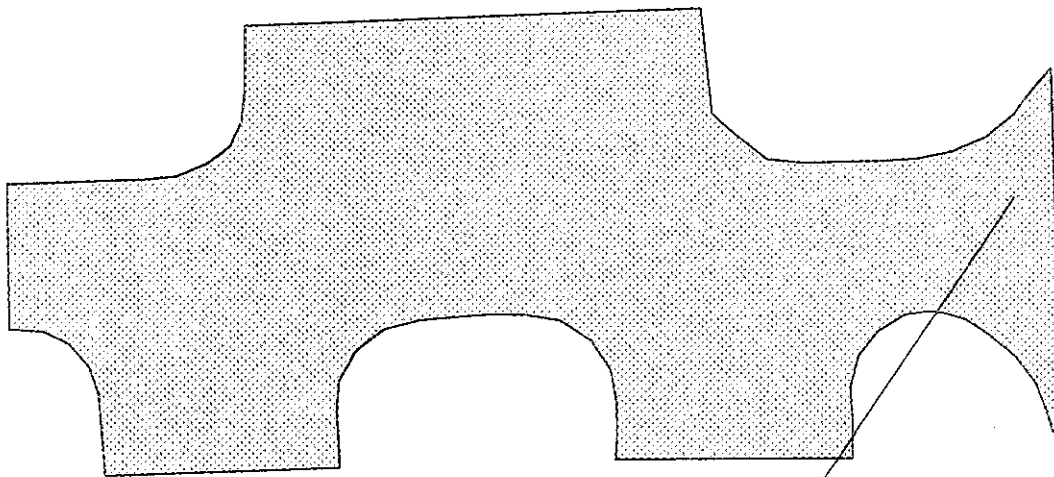
Big Bend National Park

Route 441N

Desert Willow Street
From Nolina Dr to end

Route	Area (sq ft)	Lane Miles	Sample Section (mi)	Width (ft)	SCR	RI	PCR	Condition
441N	5781.43	0.10	NA	NA	NA	NA	NA	FAIR

- Length and width will be used when applicable
- Lane miles are based on 11' lane widths



Big Bend National Park

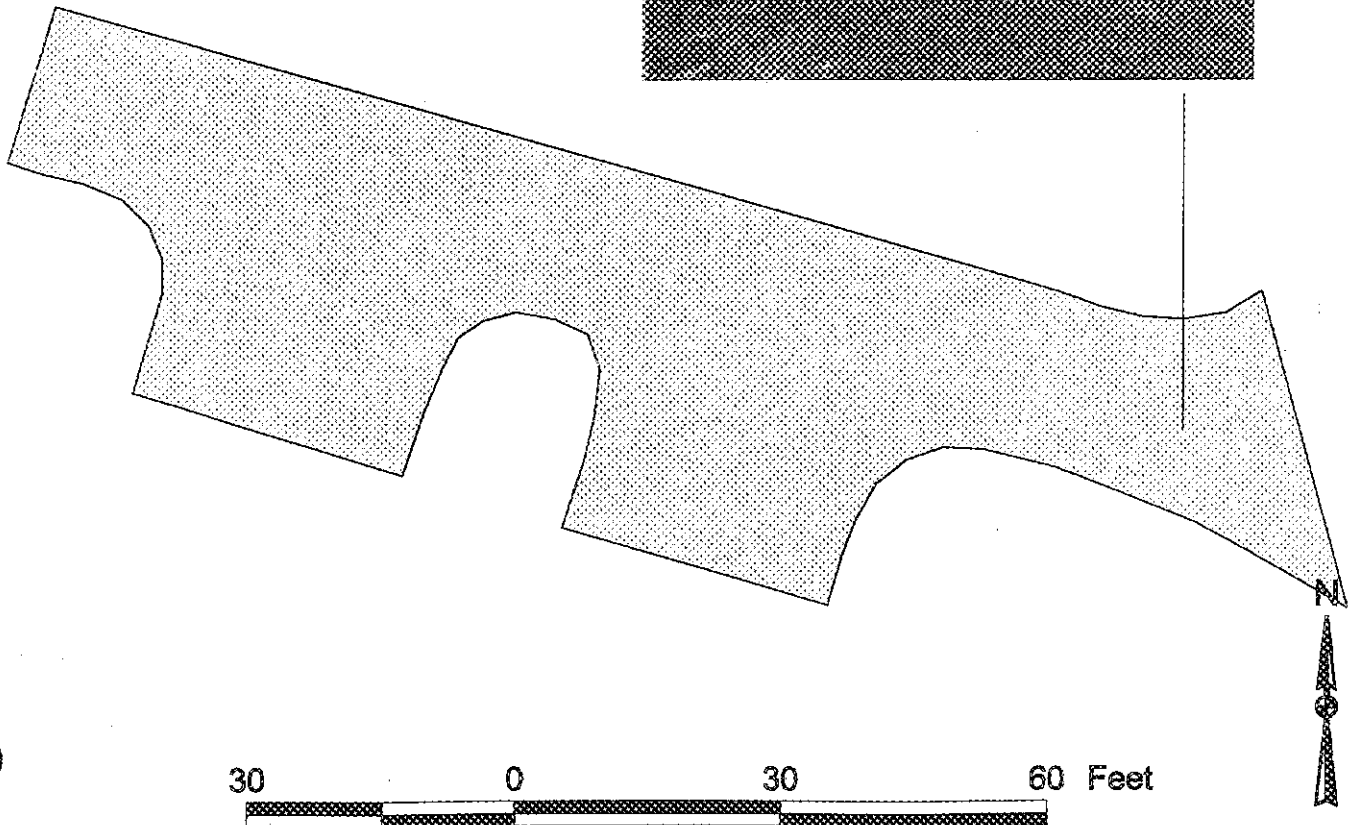
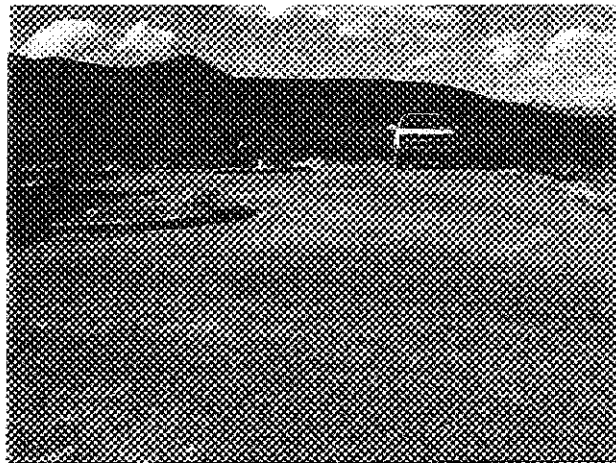
Route 442N

Mesquite Street

From Nolina Dr to end

Route	Area (sq ft)	Lane Miles	Sample Section (mi)	Width (ft)	SCR	RI	PCR	Condition
442N	4389.26	0.08	NA	NA	NA	NA	NA	FAIR

- Length and width will be used when applicable
- Lane miles are based on 11' lane widths



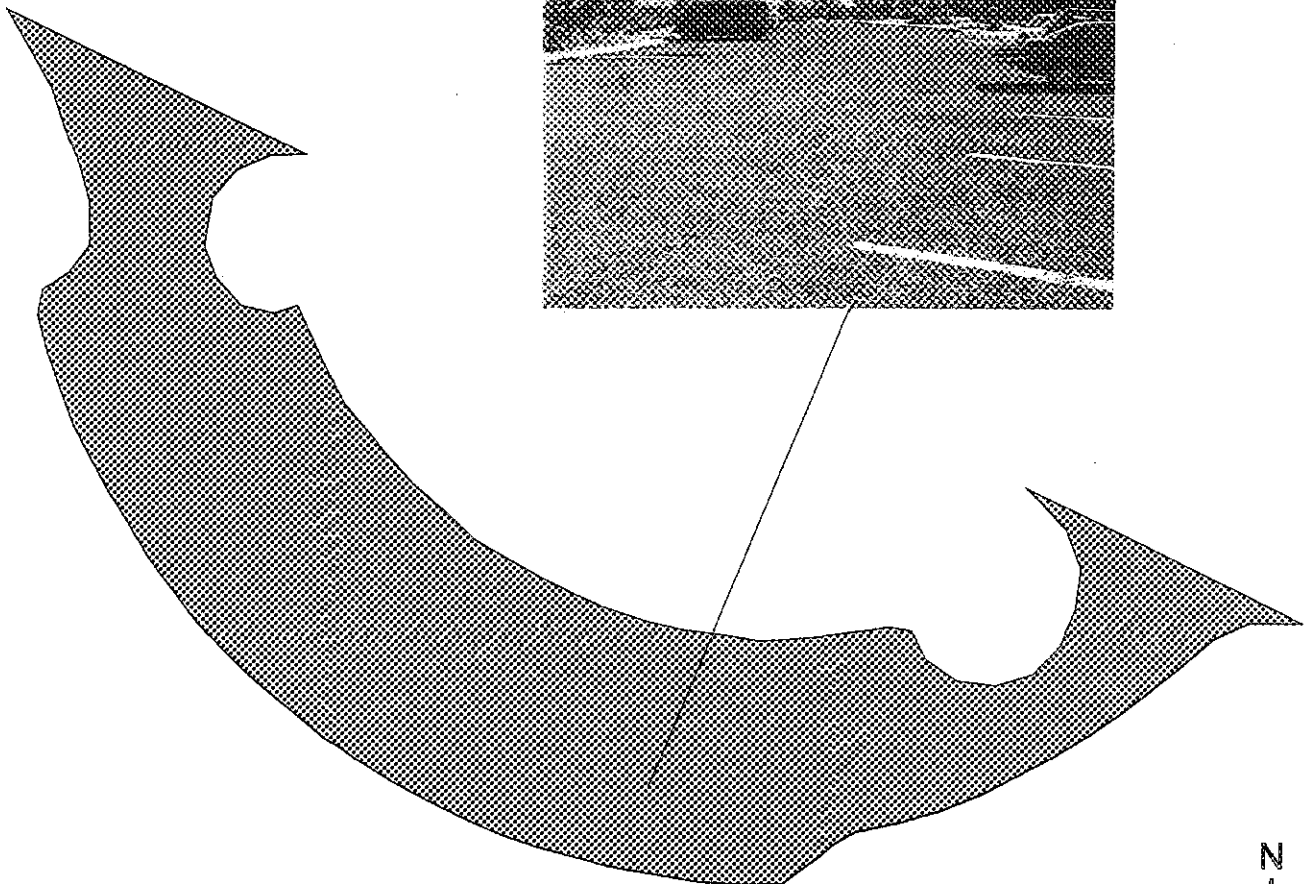
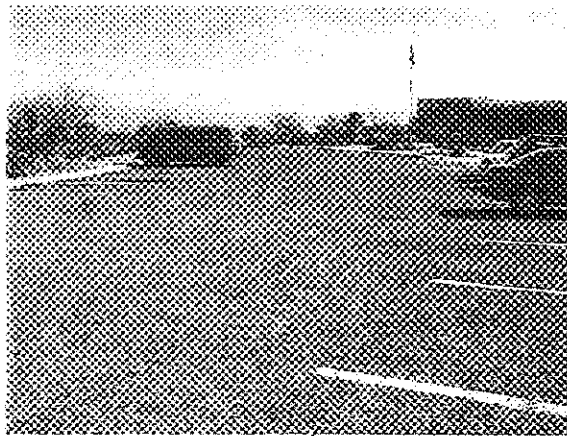
Big Bend National Park

Route 900P

Panther Junction Visitor Center
Intersection of Rte's 011, 012, & 013

Route	State	Date Visited	Length (mi)	Width (ft)	Area (sq ft)	Lane Miles	Condition
900P	TX	990127			22085.9	0.38	FAIR

- Length and width will be used when applicable
- Lane miles are based on 11' lane widths



80 0 80 160 Feet



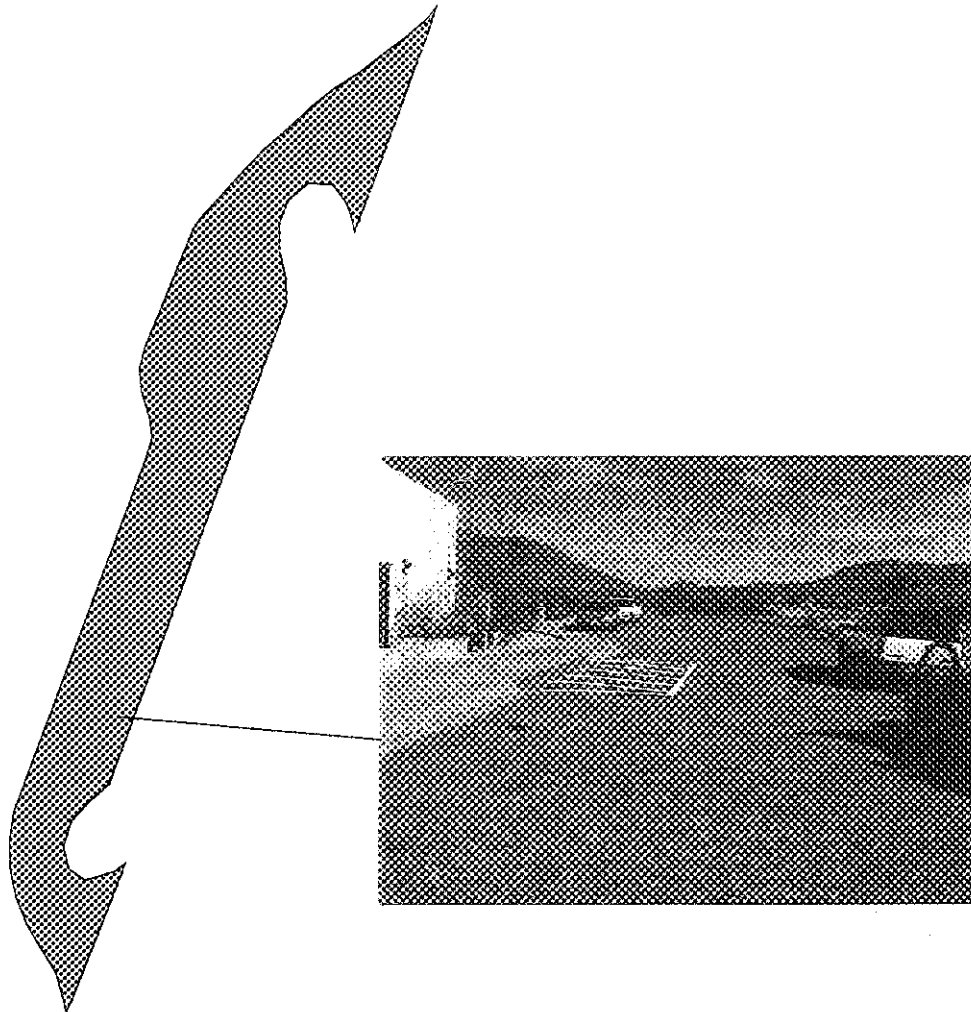
Big Bend National Park

Route 901P

Persimmon Gap Ranger Station Parking
Off Rte 011, North Entrance

Route	State	Date Visited	Length (mi)	Width (ft)	Area (sq ft)	Lane Miles	Condition
901P	TX	990127			11476.7	0.2	FAIR

- Length and width will be used when applicable
- Lane miles are based on 11' lane widths



100 0 100 200 Feet



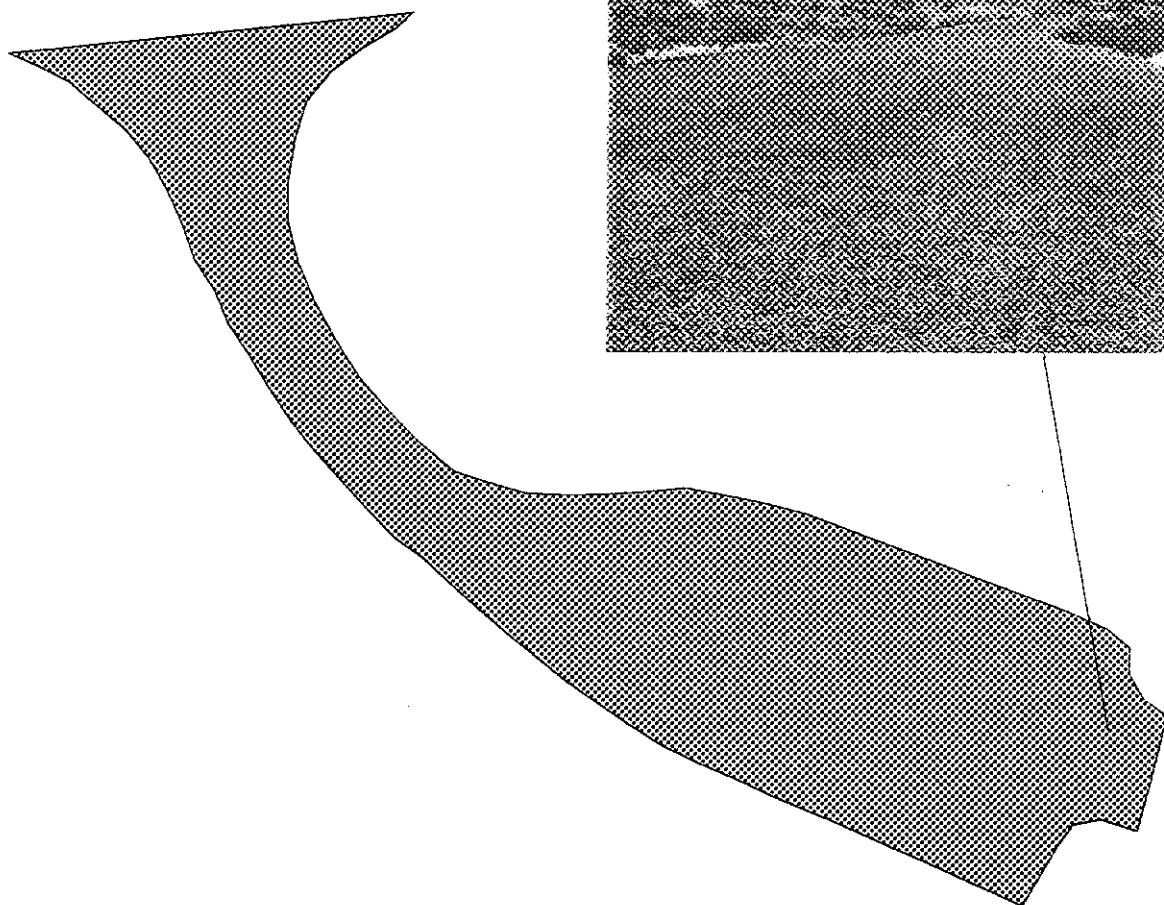
Big Bend National Park

Route 902P

Rio Grande Overlook Parking
Off Rte 012, East of Tunnel

Route	State	Date Visited	Length (mi)	Width (ft)	Area (sq ft)	Lane Miles	Condition
902P	TX	990127			15138.3	0.26	FAIR

- Length and width will be used when applicable
- Lane miles are based on 11' lane widths



70 0 70 140 Feet



Big Bend National Park

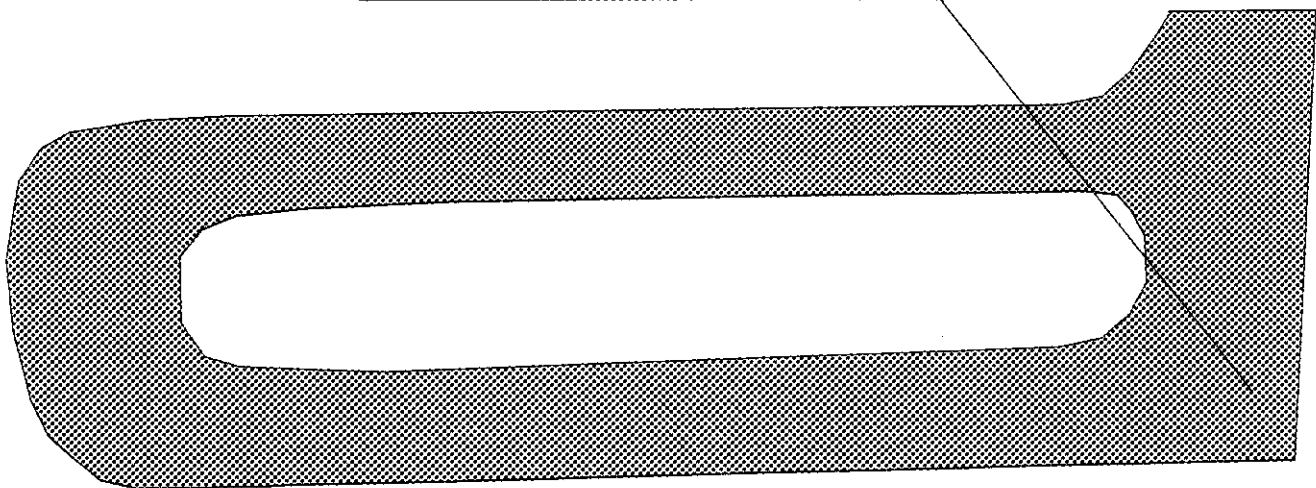
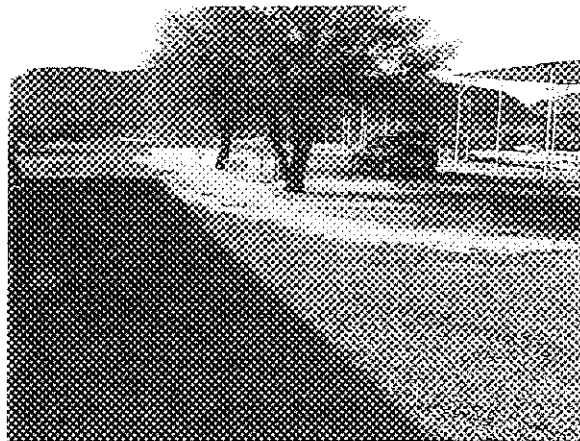
Route 904N

Rio Grande Residence Parking

Lot at End of Rte 405

Route	State	Date Visited	Length (mi)	Width (ft)	Area (sq ft)	Lane Miles	Condition
904N	TX	990127			6941.84	0.12	FAIR

- Length and width will be used when applicable
- Lane miles are based on 11' lane widths



40 0 40 80 Feet



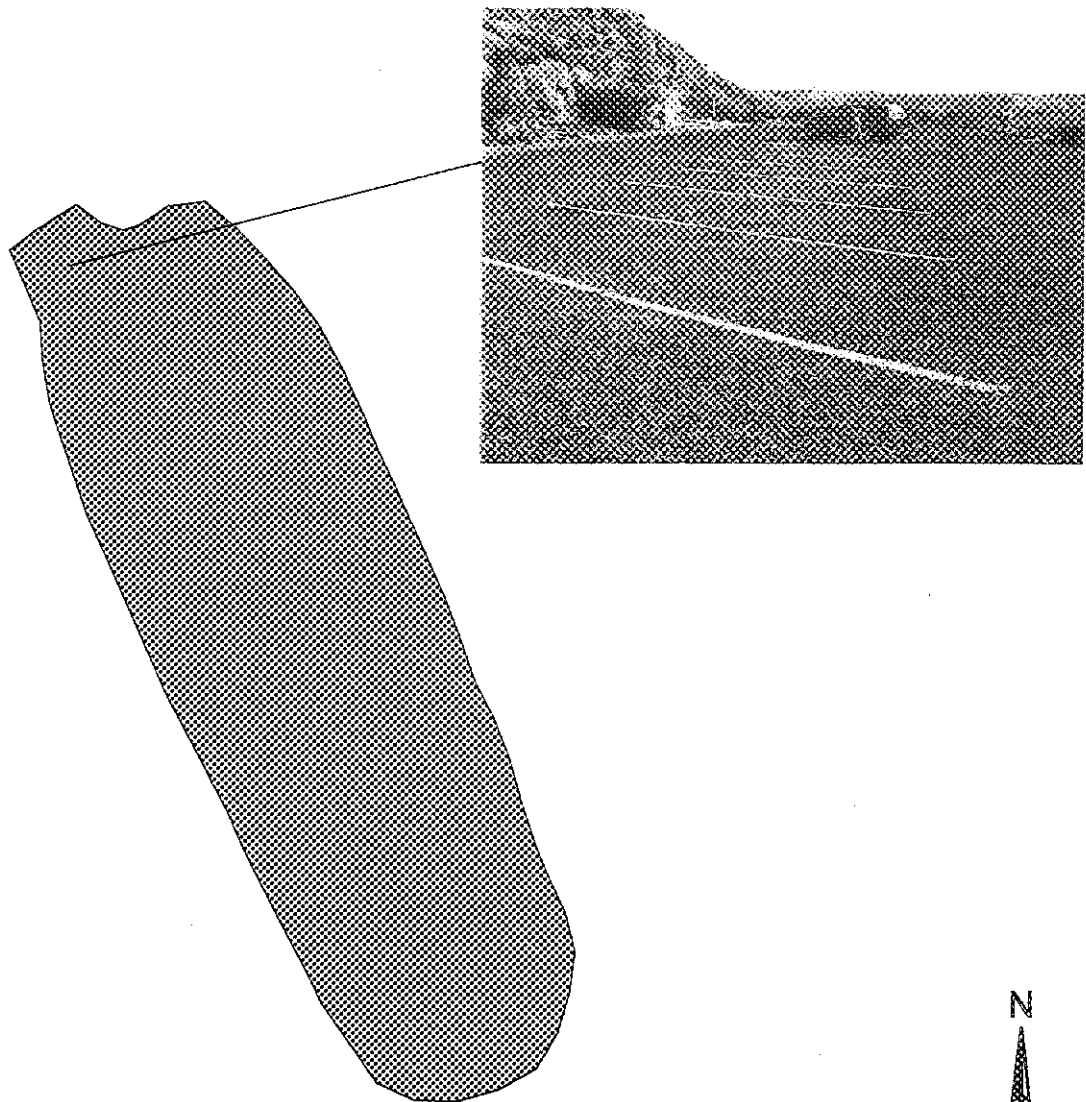
Big Bend National Park

Route 905P

Boquillas Canyon Trail Parking
End of Rte 109, Boquillas Canyon

Route	State	Date Visited	Length (mi)	Width (ft)	Area (sq ft)	Lane Miles	Condition
905P	TX	990127			15225.5	0.26	FAIR

- Length and width will be used when applicable
- Lane miles are based on 11' lane widths



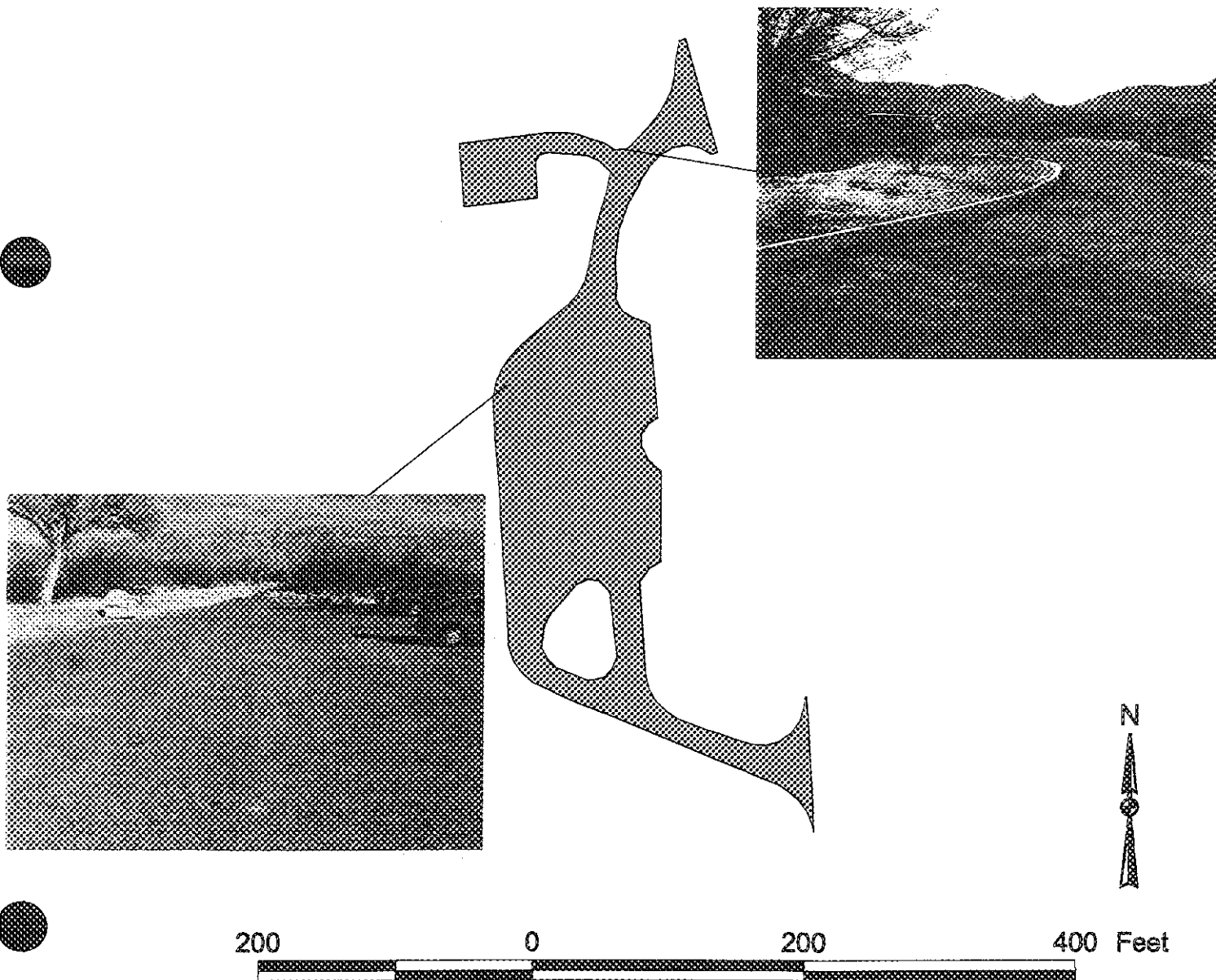
Big Bend National Park

Route 906P

Rio Grande Visitor Center Parking
Lot off Rte 012, near Rio Grande Village

Route	State	Date Visited	Length (mi)	Width (ft)	Area (sq ft)	Lane Miles	Condition
906P	TX	990127			39108.8	0.67	FAIR

- Length and width will be used when applicable
- Lane miles are based on 11' lane widths



Big Bend National Park

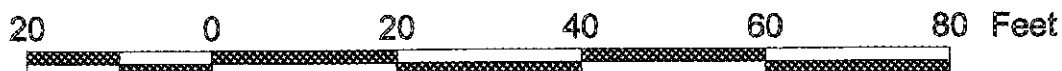
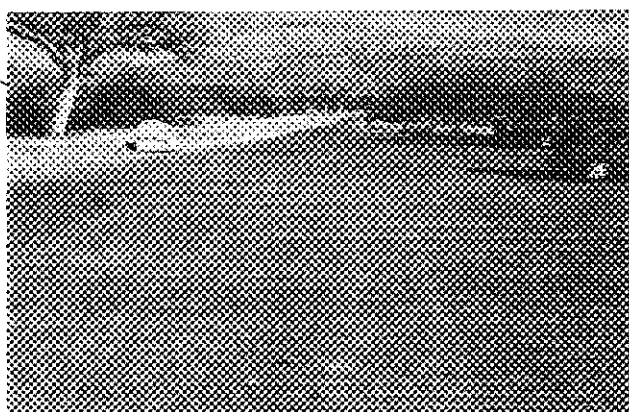
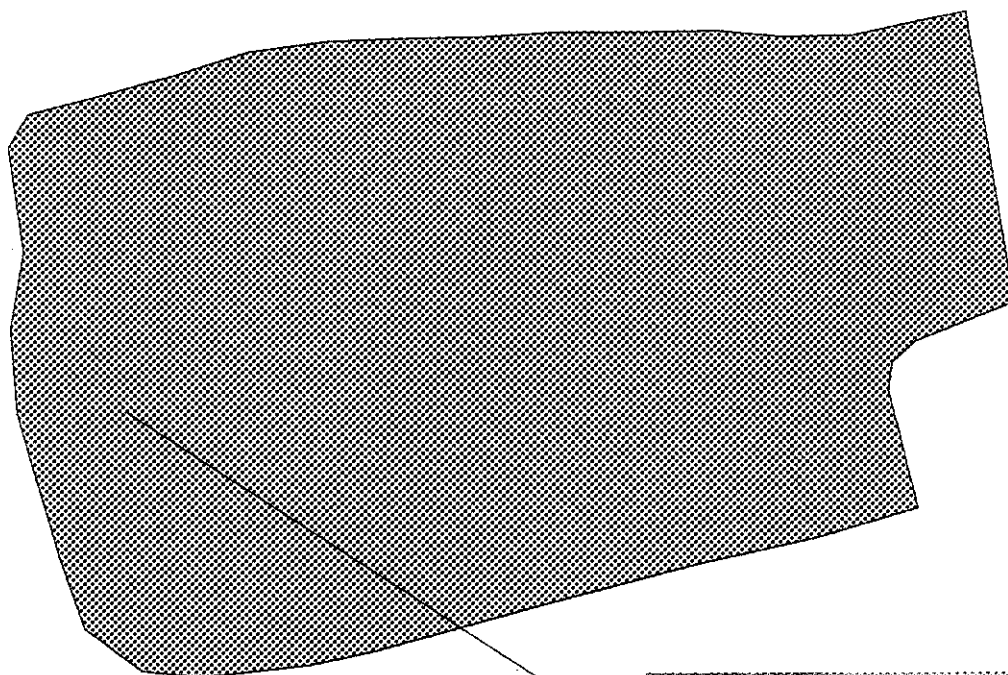
Route 907P

Rio Grande Picnic Area

Picnic Area at beginning of Rte 201

Route	State	Date Visited	Length (mi)	Width (ft)	Area (sq ft)	Lane Miles	Condition
907P	TX	990127			6082.17	0.1	POOR

- Length and width will be used when applicable
- Lane miles are based on 11' lane widths



Big Bend National Park

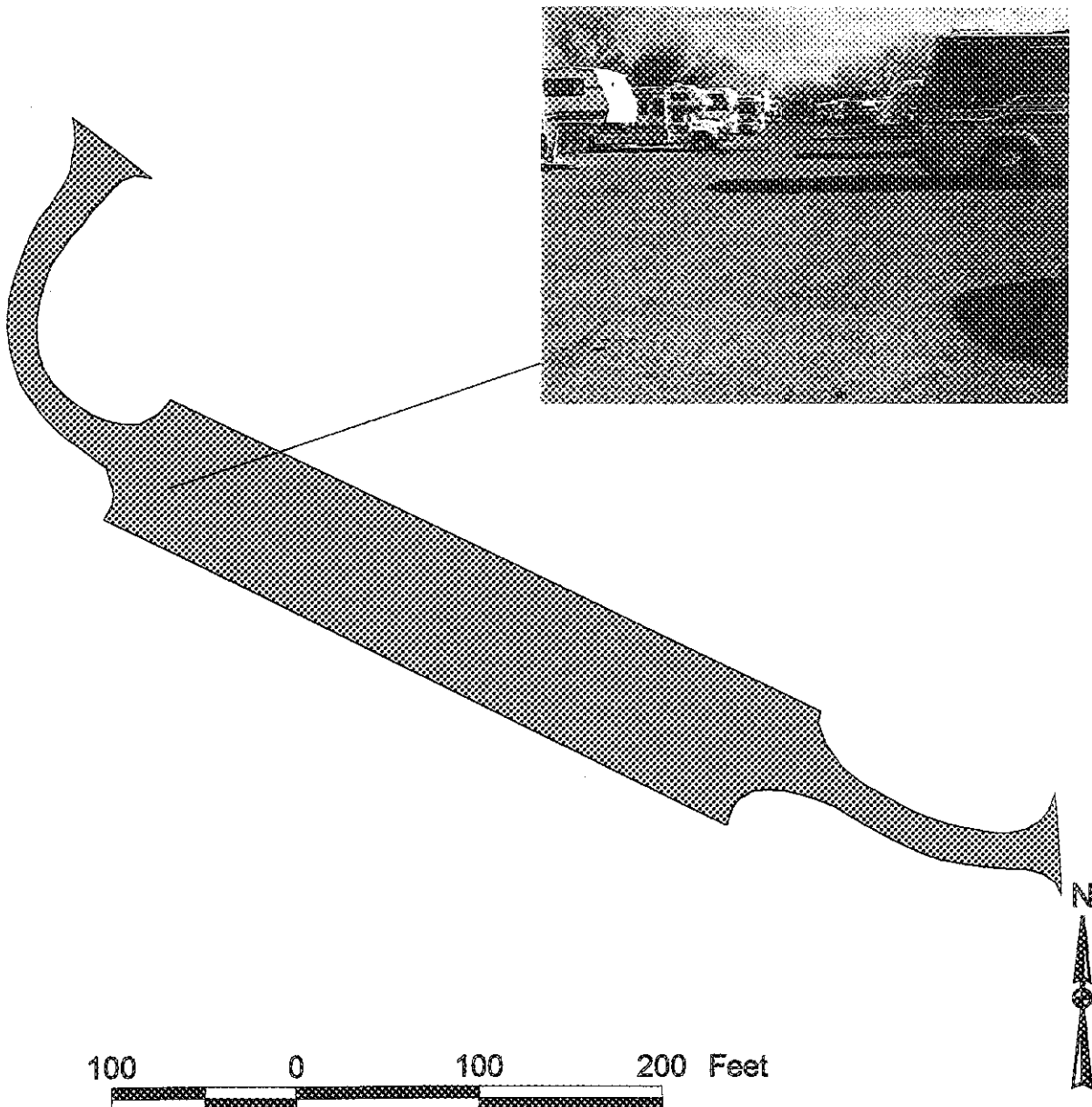
Route 908P

Rio Grande Trailer Parking

Parking off Rte 201

Route	State	Date Visited	Length (mi)	Width (ft)	Area (sq ft)	Lane Miles	Condition
908P	TX	990127			37573.1	0.65	FAIR

- Length and width will be used when applicable
- Lane miles are based on 11' lane widths



Big Bend National Park

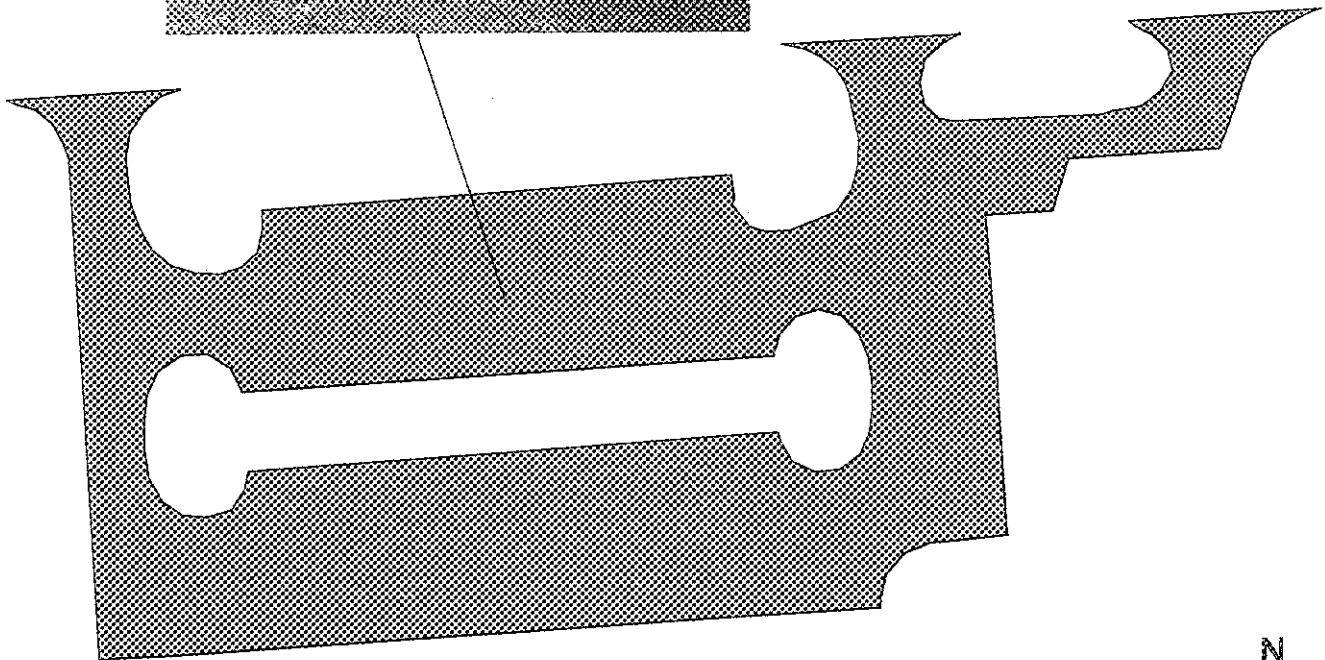
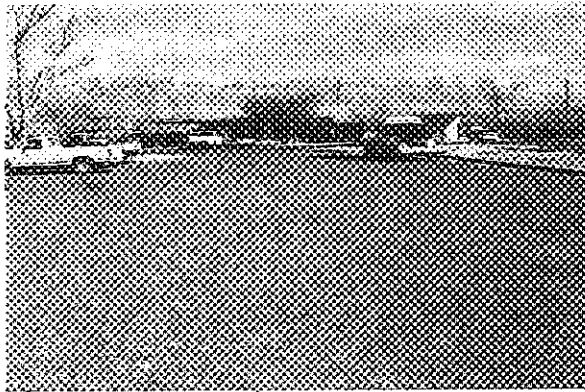
Route 909P

Rio Grande Store Parking

Parking off Rte 201

Route	State	Date Visited	Length (mi)	Width (ft)	Area (sq ft)	Lane Miles	Condition
909P	TX	990127			44697.2	0.77	FAIR

- Length and width will be used when applicable
- Lane miles are based on 11' lane widths



100 0 100 200 Feet



Big Bend National Park

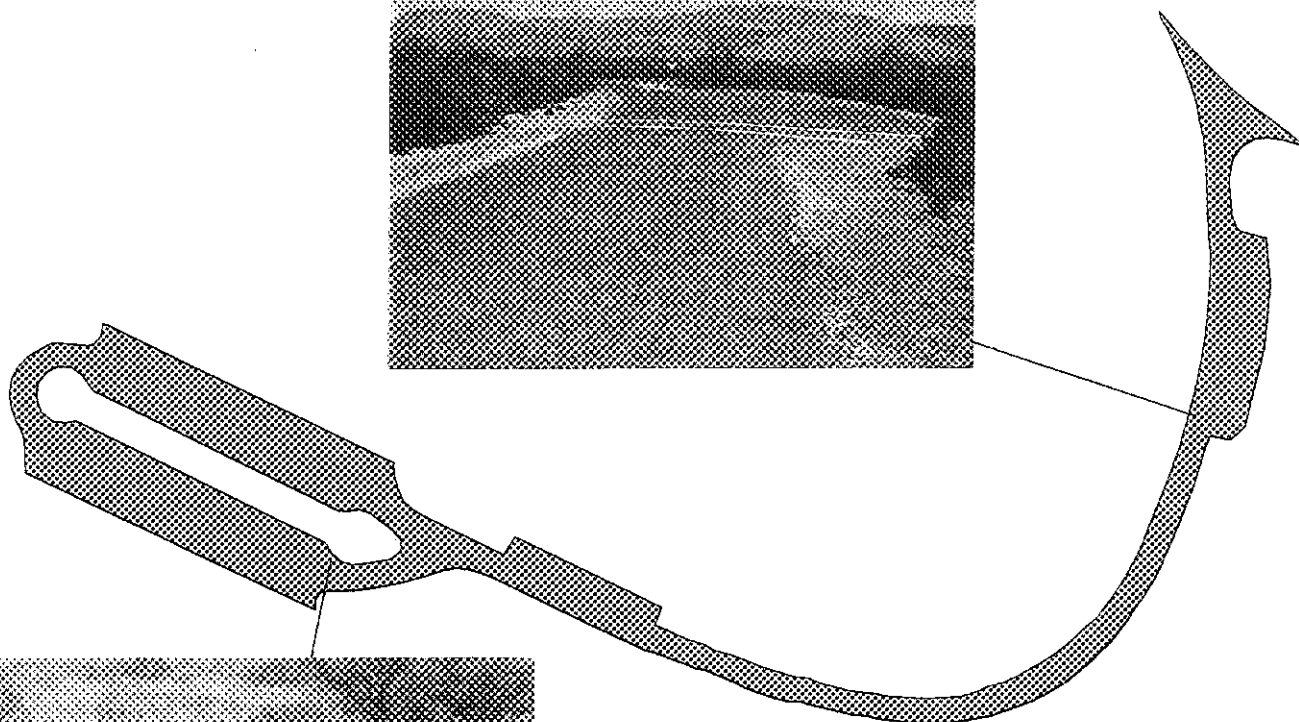
Route 910P

Rio Grande Ampitheater Parking

Parking off Rte 201

Route	State	Date Visited	Length (mi)	Width (ft)	Area (sq ft)	Lane Miles	Condition
910P	TX	990127			39330.4	0.68	FAIR

- Length and width will be used when applicable
- Lane miles are based on 11' lane widths



200 0 200 400 Feet



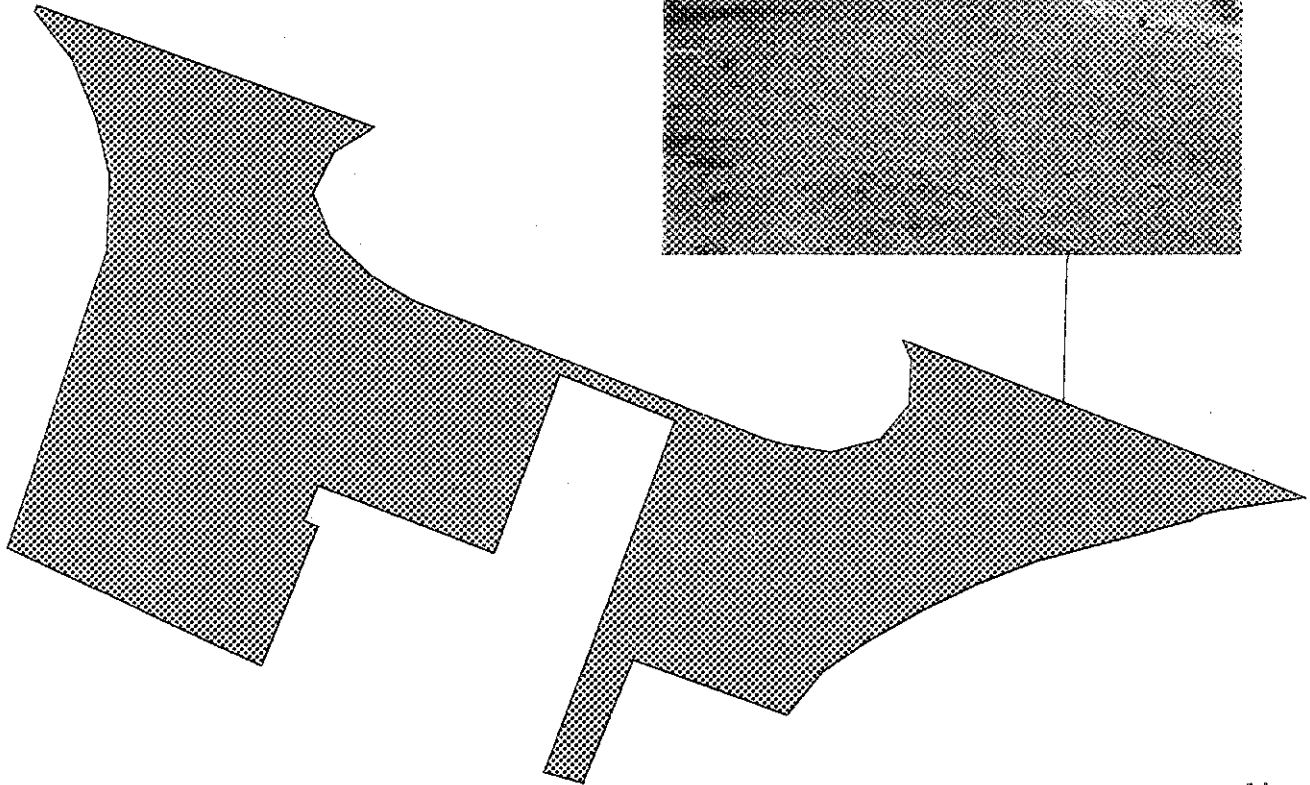
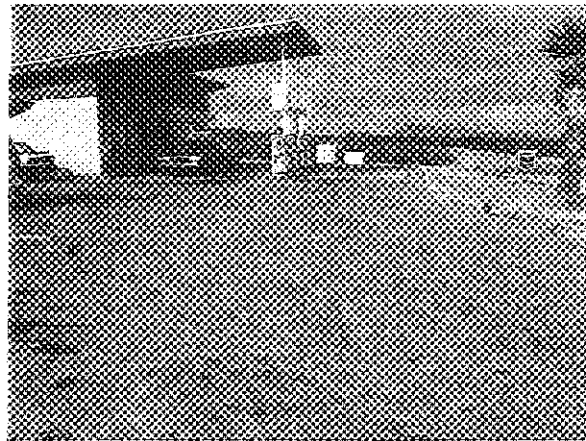
Big Bend National Park

Route 912P

Panther Junction Gas Station
Gas Station near Panther Junction

Route	State	Date Visited	Length (mi)	Width (ft)	Area (sq ft)	Lane Miles	Condition
912P	TX	990128			9184.68	0.16	FAIR

- Length and width will be used when applicable
- Lane miles are based on 11' lane widths



50 0 50 100 Feet



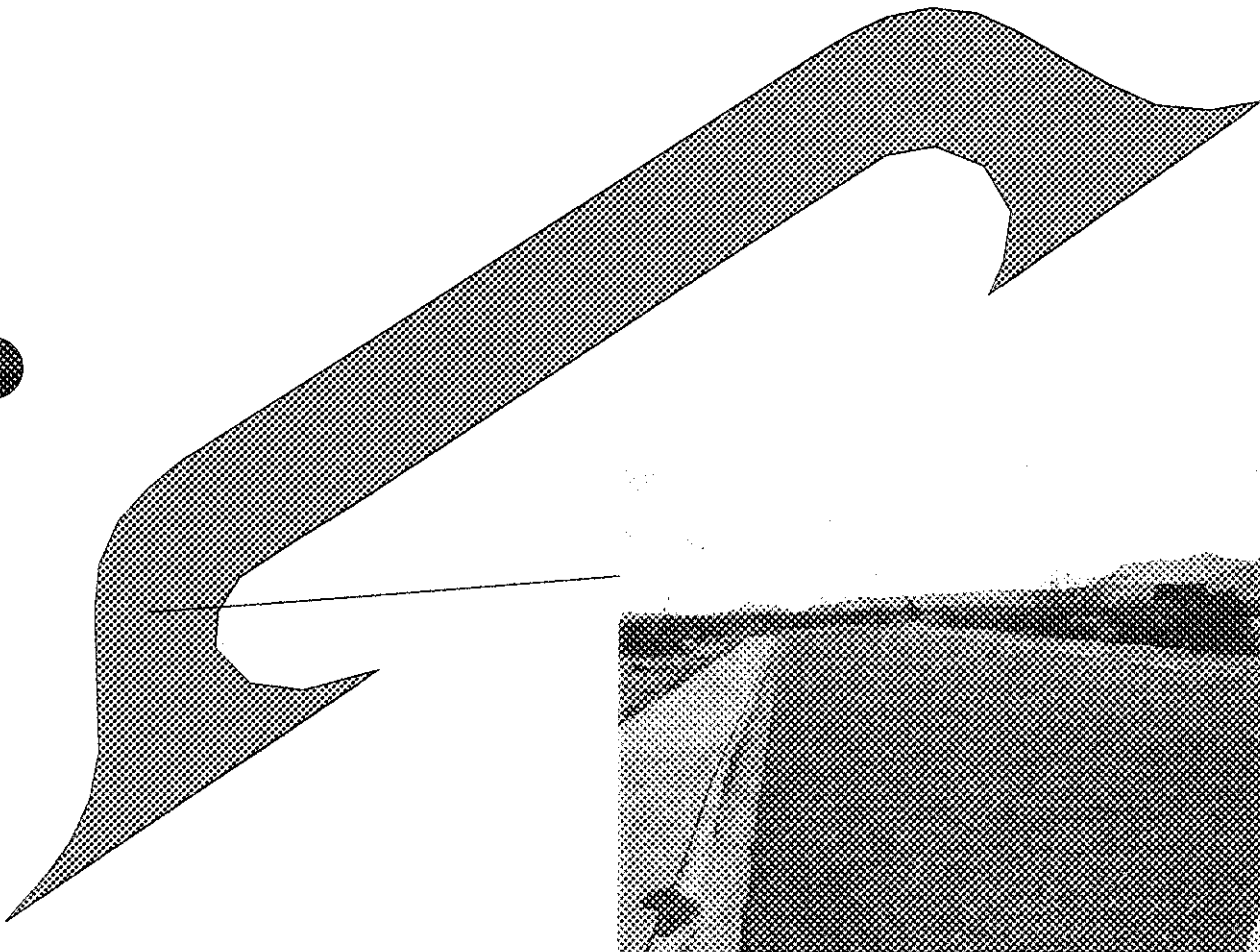
Big Bend National Park

Route 913P

Badlands Parking Area
Lot off Rte 013, near West Entrance

Route	State	Date Visited	Length (mi)	Width (ft)	Area (sq ft)	Lane Miles	Condition
913P	TX	990128			7193.45	0.12	FAIR

- Length and width will be used when applicable
- Lane miles are based on 11' lane widths



50 0 50 100 Feet



Big Bend National Park

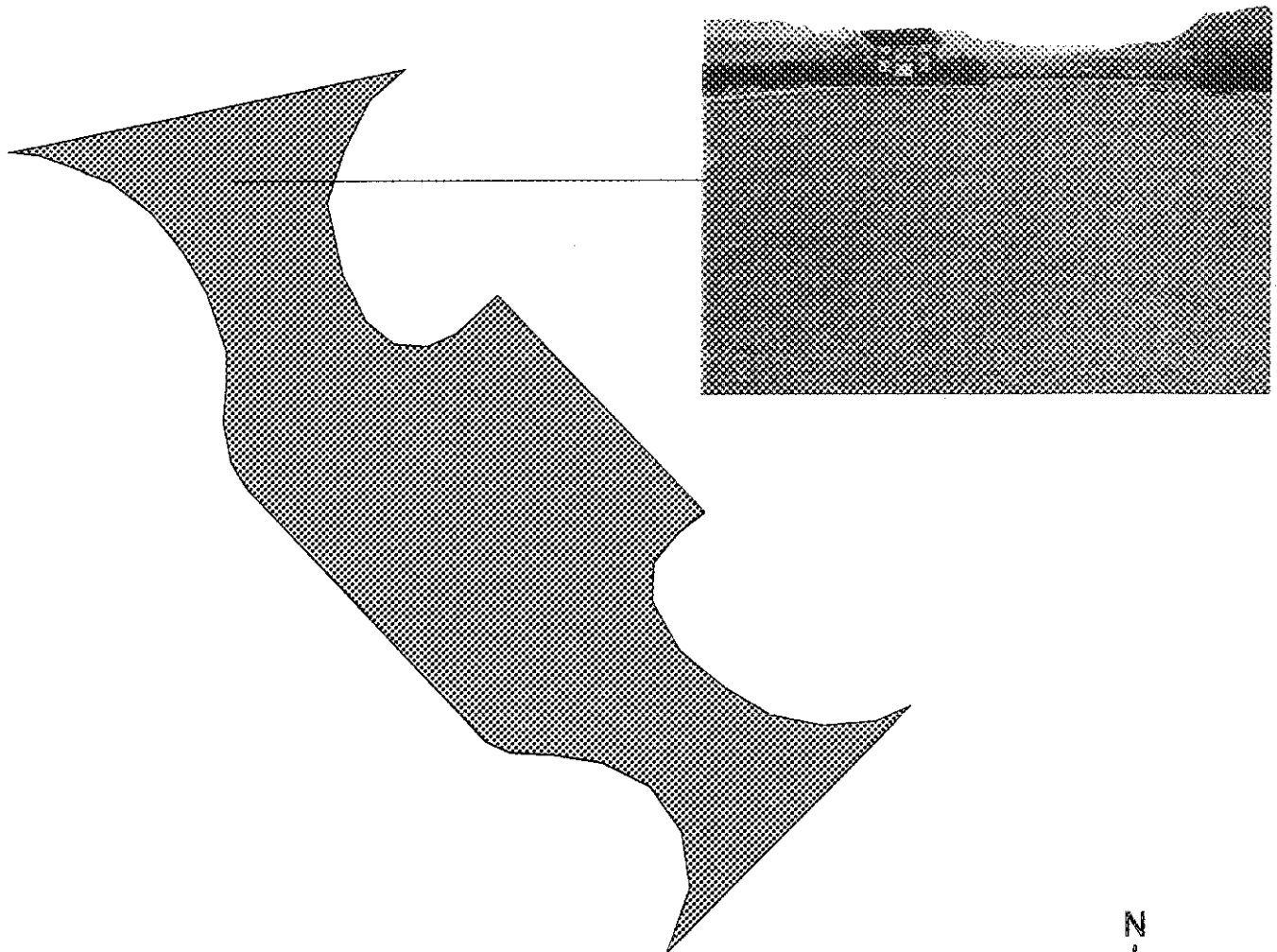
Route 914P

Maverick Information Kiosk Parking

Lot off Rte 013, near West Entrance

Route	State	Date Visited	Length (mi)	Width (ft)	Area (sq ft)	Lane Miles	Condition
914P	TX	990128			6914.62	0.12	FAIR

- Length and width will be used when applicable
- Lane miles are based on 11' lane widths



50 0 50 100 Feet



Big Bend National Park

Route 915P

West Entrance Contact Station Parking
Lot off Rte 013, near West Contact Station

Route	State	Date Visited	Length (mi)	Width (ft)	Area (sq ft)	Lane Miles	Condition
915P	TX	990128			3138.05	0.05	FAIR

- Length and width will be used when applicable
- Lane miles are based on 11' lane widths



30 0 30 60 Feet



Big Bend National Park

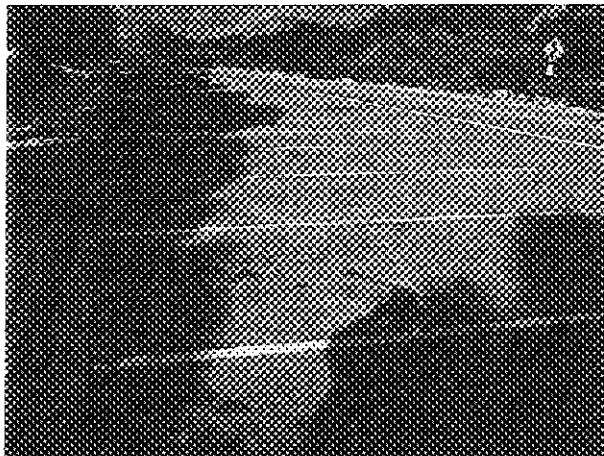
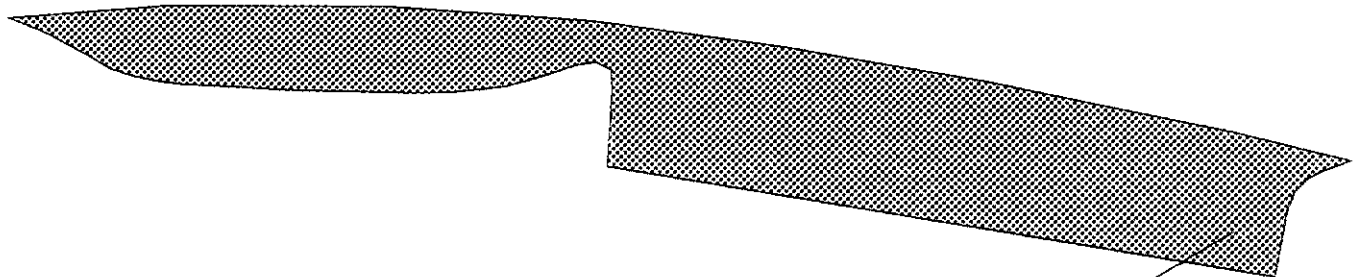
Route 917P

Lost Mine Trail Parking

Parking off Rt 014

Route	State	Date Visited	Length (mi)	Width (ft)	Area (sq ft)	Lane Miles	Condition
917P	TX	990129			6904.02	0.12	FAIR

- Length and width will be used when applicable
- Lane miles are based on 11' lane widths



Big Bend National Park

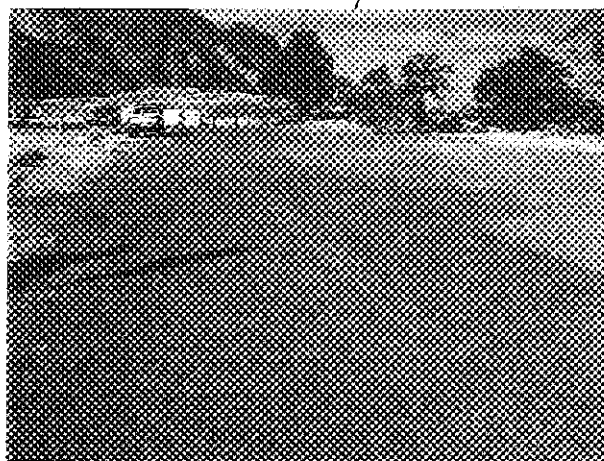
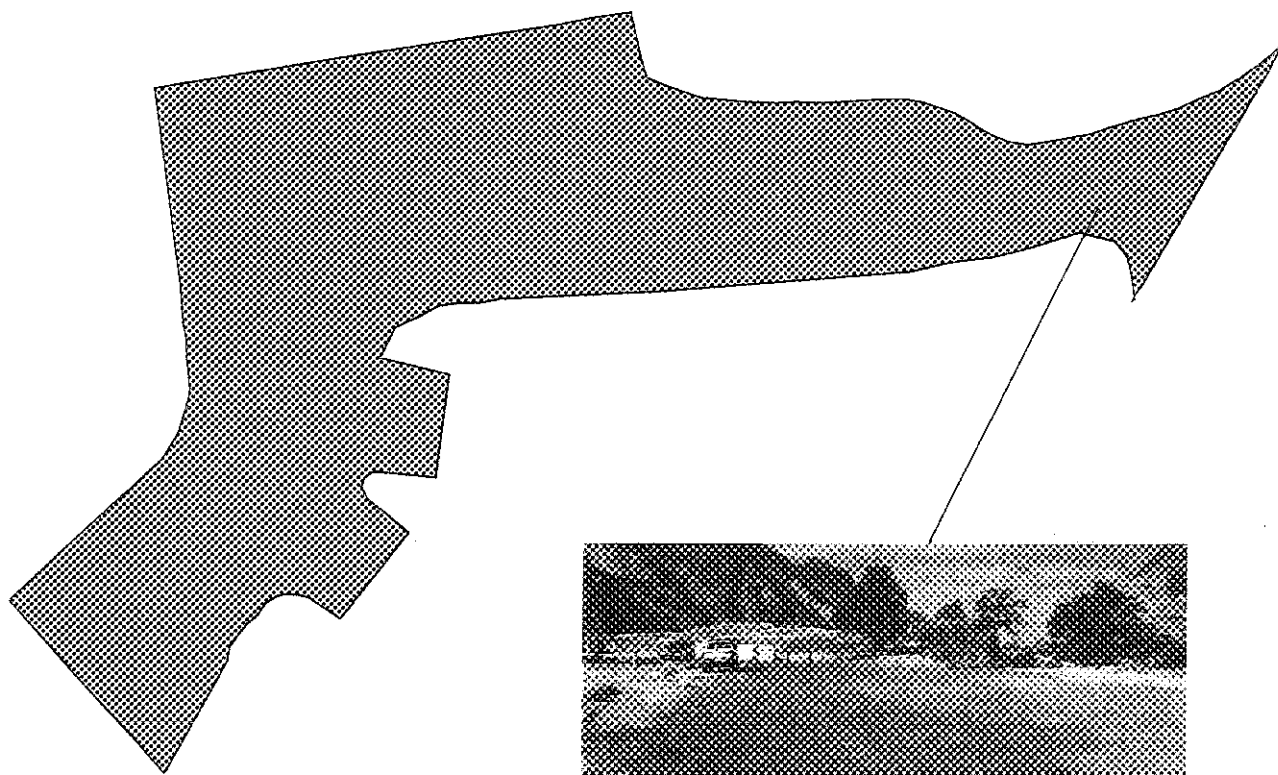
Route 918N

Basin Ranger Station Parking

Lot at end of Rte 014

Route	State	Date Visited	Length (mi)	Width (ft)	Area (sq ft)	Lane Miles	Condition
918N	TX	990129			16955.4	0.29	GOOD

- Length and width will be used when applicable
- Lane miles are based on 11' lane widths



60 0 60 120 Feet



Big Bend National Park

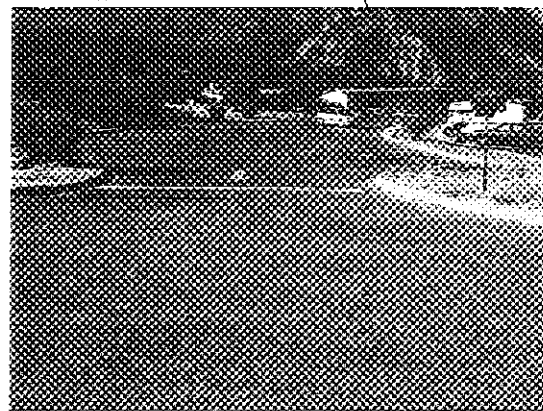
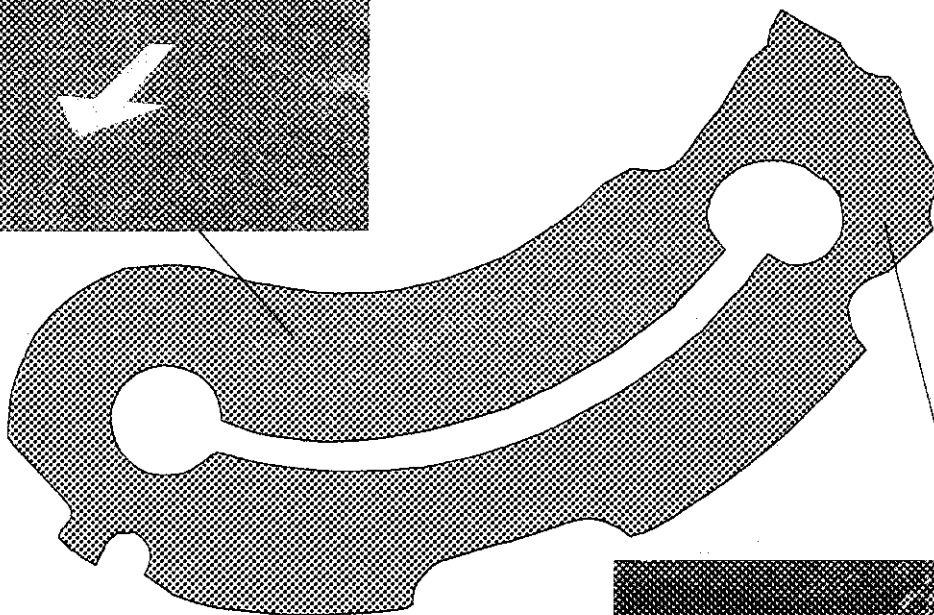
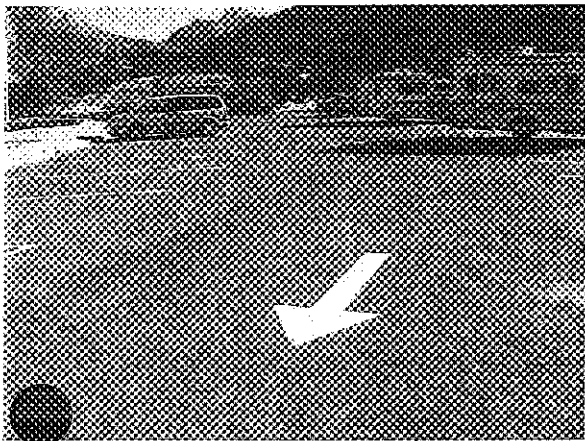
Route 919P

Basin Visitors Center Parking

Lot at end of Rte 014

Route	State	Date Visited	Length (mi)	Width (ft)	Area (sq ft)	Lane Miles	Condition
919P	TX	990129			46085.9	0.79	GOOD

- Length and width will be used when applicable
- Lane miles are based on 11' lane widths



90 0 90 180 Feet



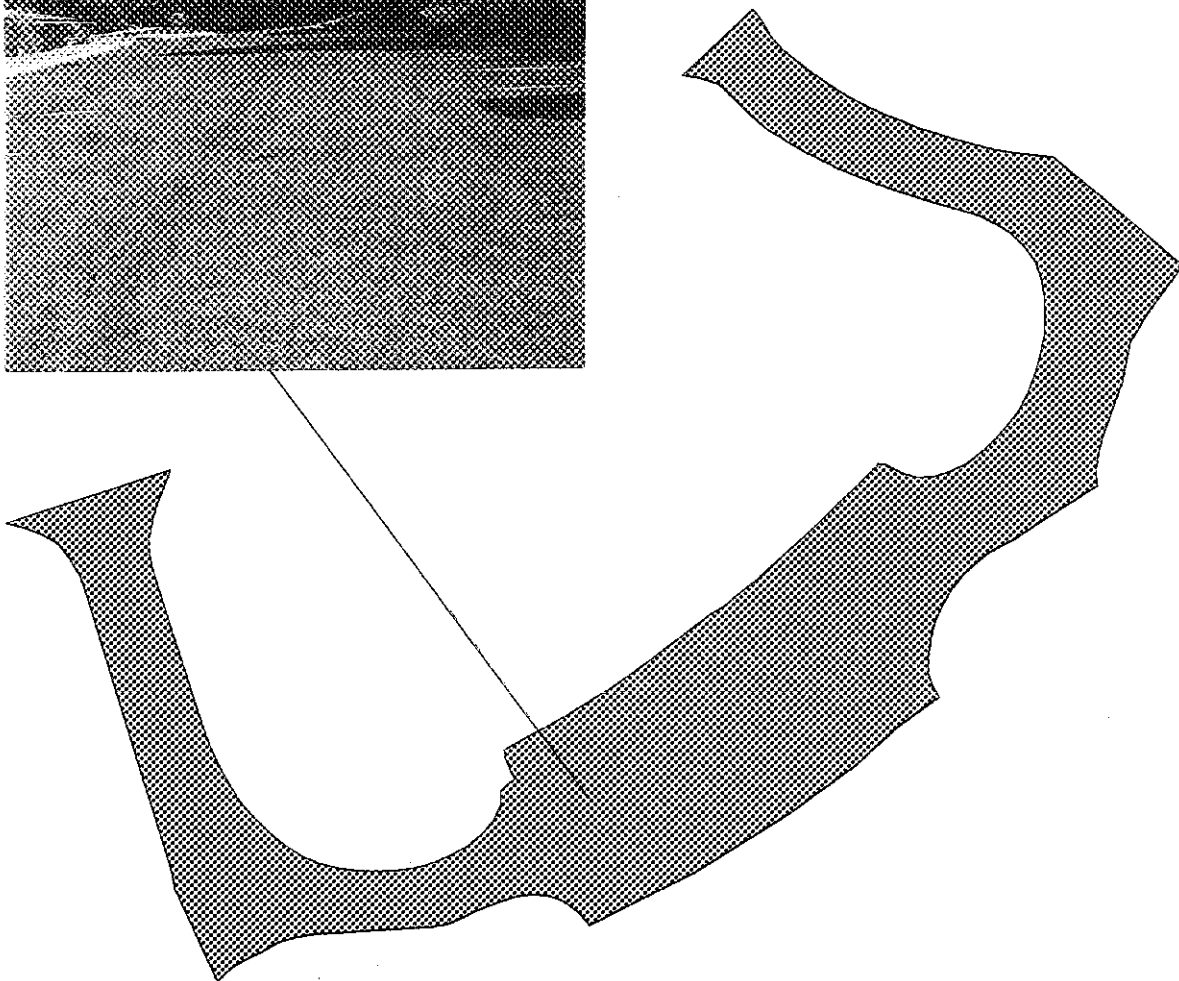
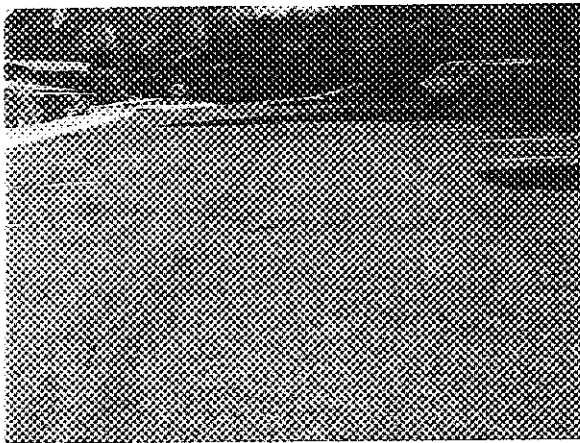
Big Bend National Park

Route 920P

Basin Motel Parking
Lot Behind Basin Hotel

Route	State	Date Visited	Length (mi)	Width (ft)	Area (sq ft)	Lane Miles	Condition
920P	TX	990129			18046	0.31	GOOD

- Length and width will be used when applicable
- Lane miles are based on 11' lane widths



80 0 80 160 Feet



Big Bend National Park

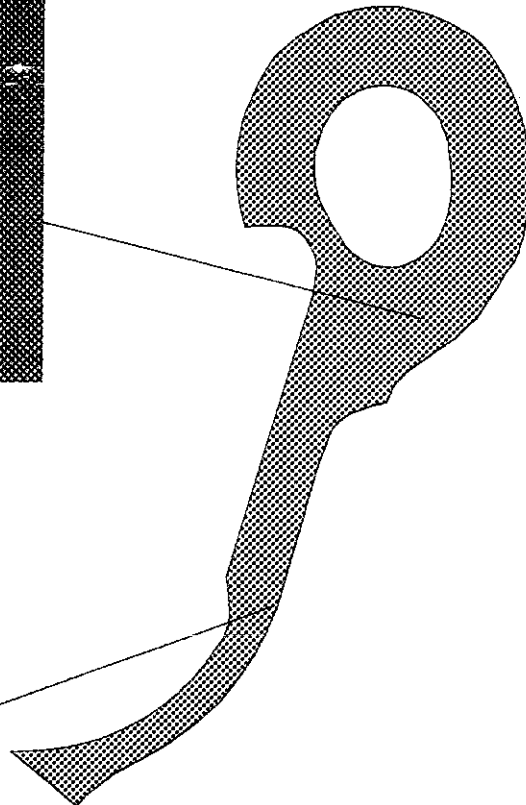
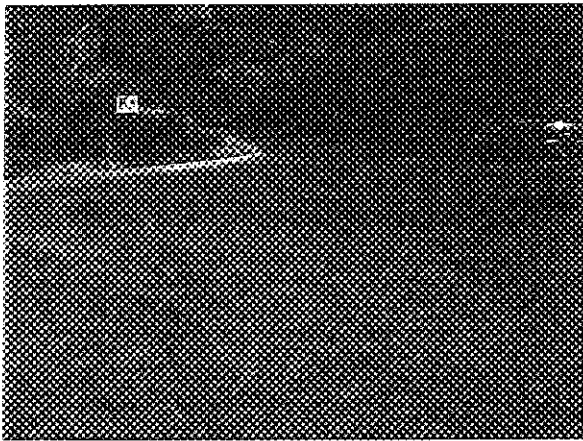
Route 921P

Chisos Mountain Lodge Parking

Lot next to Chisos Mtn. Lodge

Route	State	Date Visited	Length (mi)	Width (ft)	Area (sq ft)	Lane Miles	Condition
921P	TX	990129			27589.3	0.48	GOOD

- Length and width will be used when applicable
- Lane miles are based on 11' lane widths



200 0 200 Feet



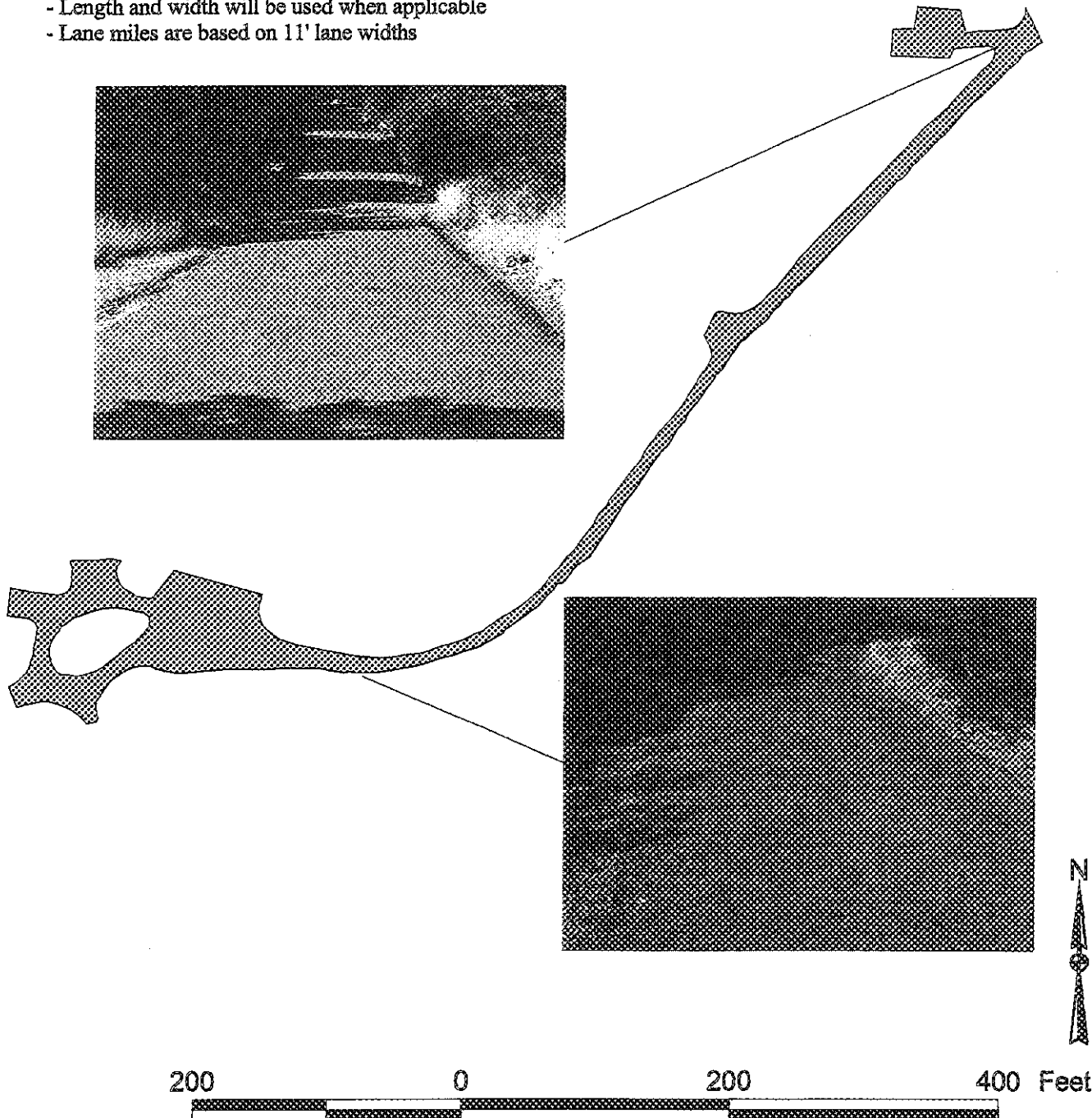
Big Bend National Park

Route 922P

Chisos Cottage Parking
Parking Rd to Cottages

Route	State	Date Visited	Length (mi)	Width (ft)	Area (sq ft)	Lane Miles	Condition
922P	TX	990129			22518.4	0.39	GOOD

- Length and width will be used when applicable
- Lane miles are based on 11' lane widths



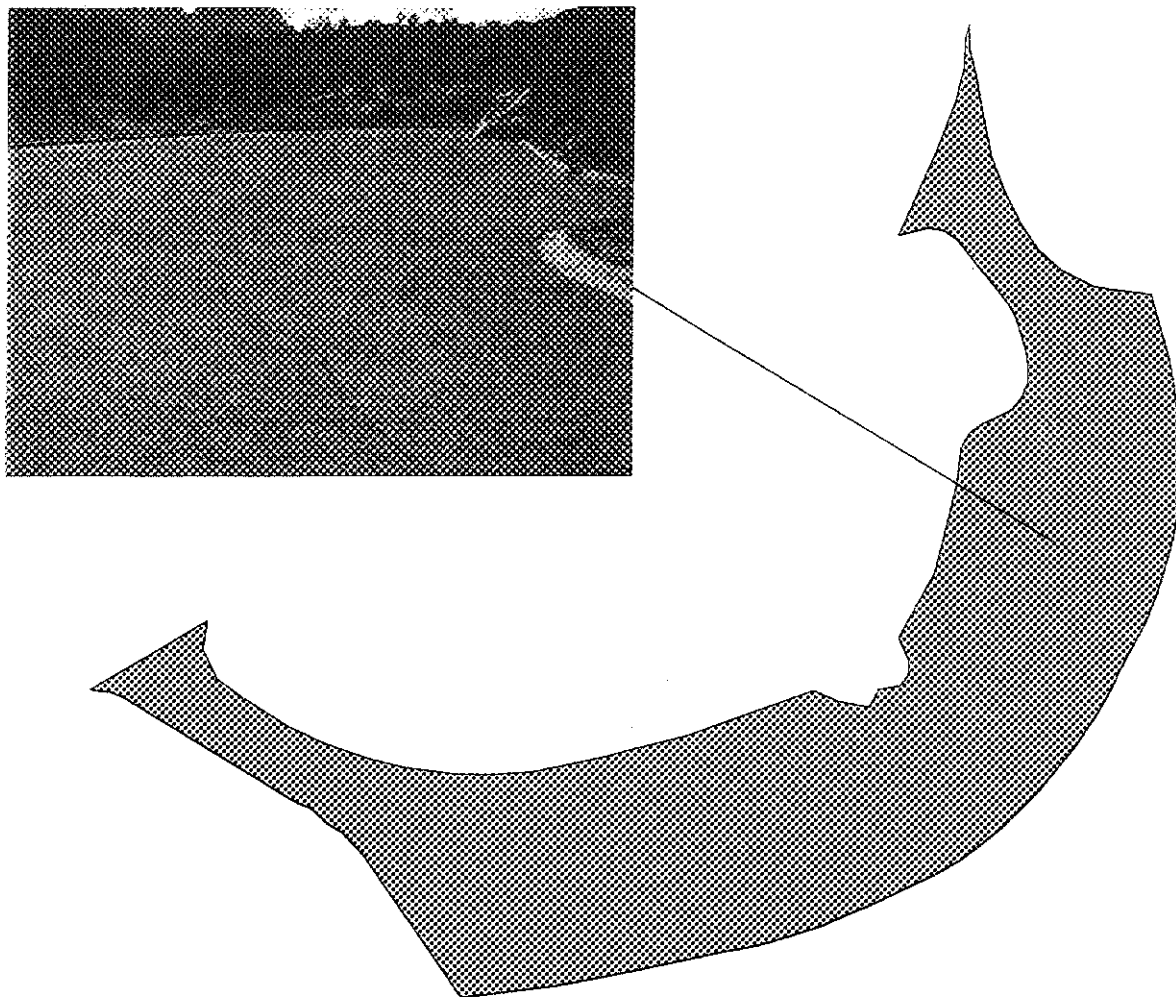
Big Bend National Park

Route 923P

Basin Amphitheater Parking
Amphitheater Parking off Rte 206

Route	State	Date Visited	Length (mi)	Width (ft)	Area (sq ft)	Lane Miles	Condition
923P	TX	990129			23119.6	0.4	FAIR

- Length and width will be used when applicable
- Lane miles are based on 11' lane widths



100 0 100 Feet



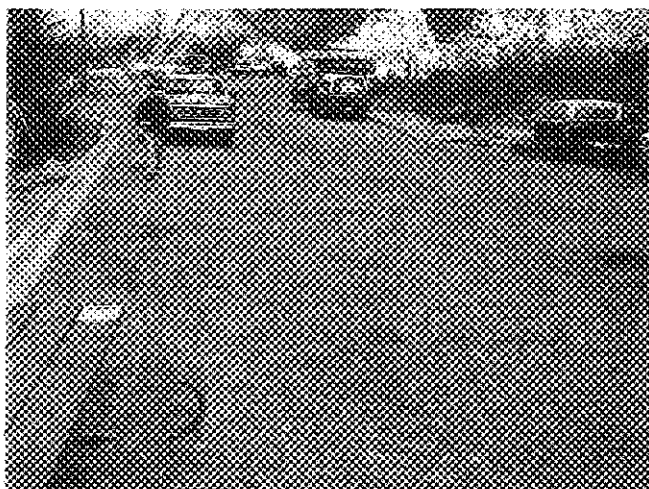
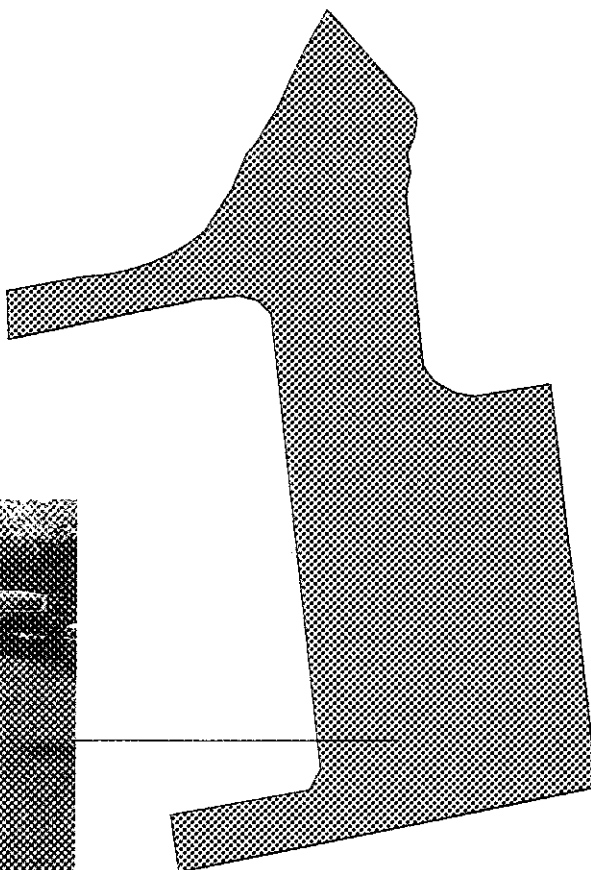
Big Bend National Park

Route 924N

Basin Stable Parking
Parking at end of Rte 206

Route	State	Date Visited	Length (mi)	Width (ft)	Area (sq ft)	Lane Miles	Condition
924N	TX	990129			9084.31	0.16	FAIR

- Length and width will be used when applicable
- Lane miles are based on 11' lane widths



Big Bend National Park

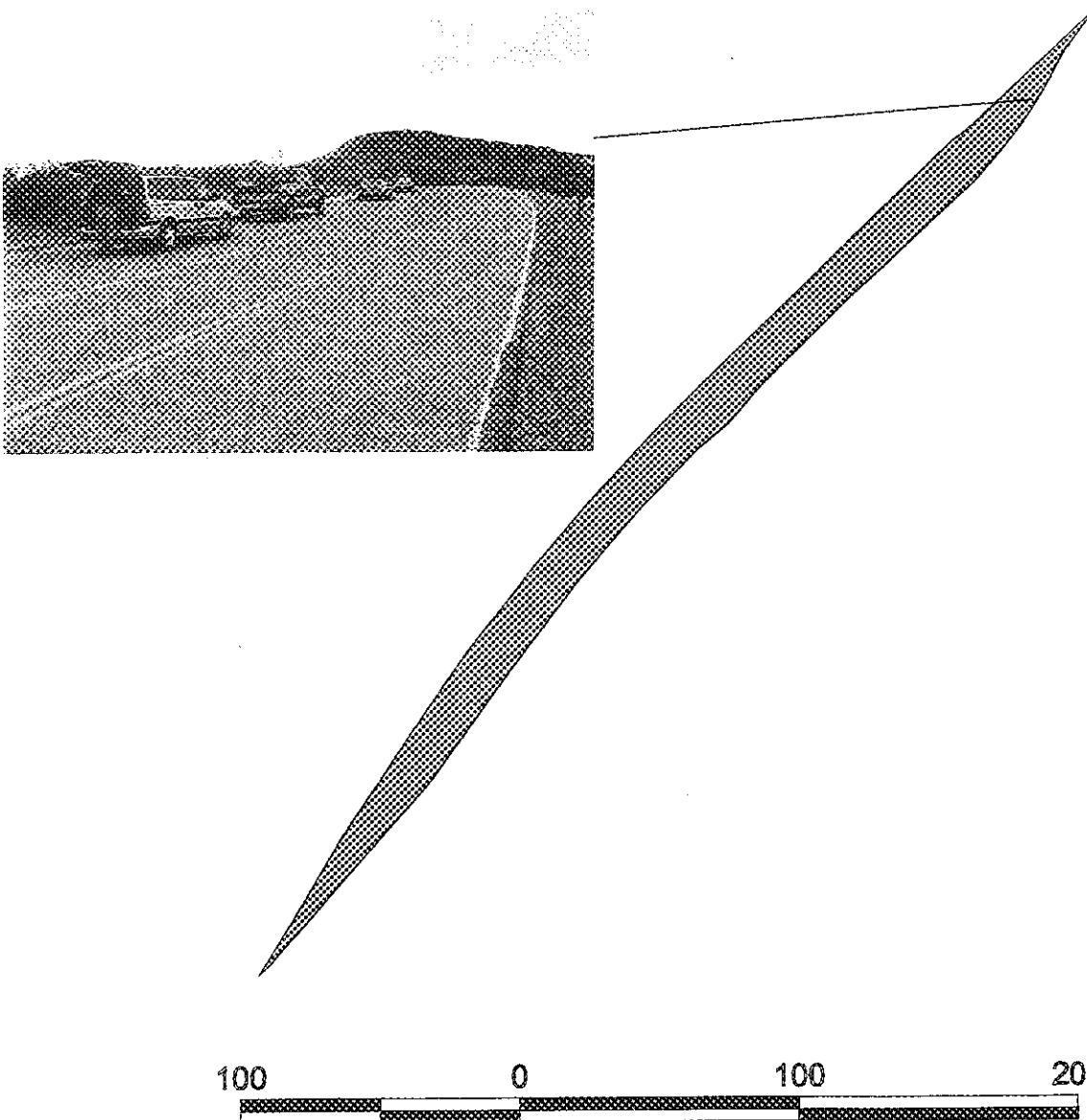
Route 925P

Blue Creek Overlook Parking

Parking off Rte 015

Route	State	Date Visited	Length (mi)	Width (ft)	Area (sq ft)	Lane Miles	Condition
925P	TX	990128			5928.59	0.1	GOOD

- Length and width will be used when applicable
- Lane miles are based on 11' lane widths



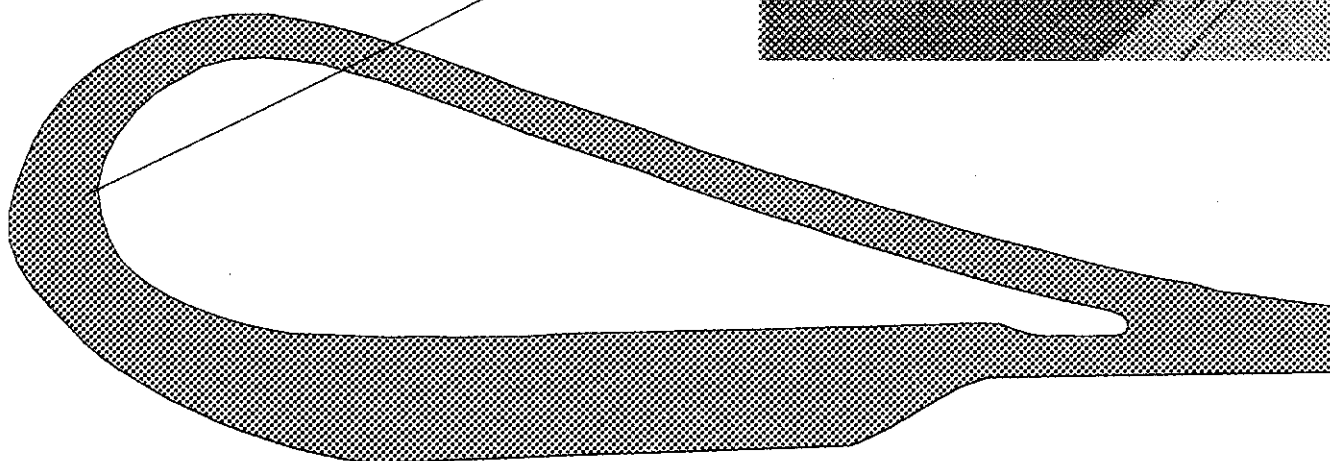
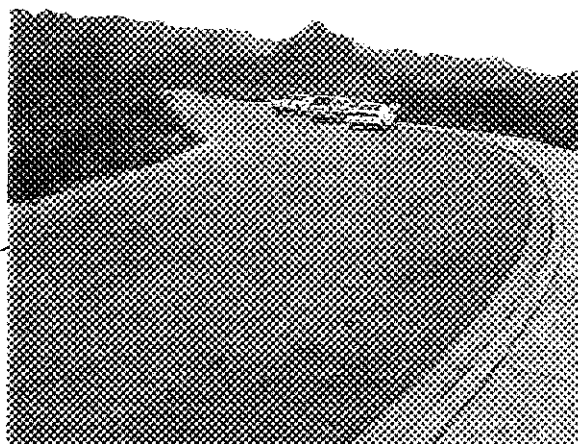
Big Bend National Park

Route 926P

Sotol Vista Overlook Parking
Lot at end of Rte 112, Sotol Vista

Route	State	Date Visited	Length (mi)	Width (ft)	Area (sq ft)	Lane Miles	Condition
926P	TX	990128			19806.7	0.34	GOOD

- Length and width will be used when applicable
- Lane miles are based on 11' lane widths



100 0 100 200 Feet



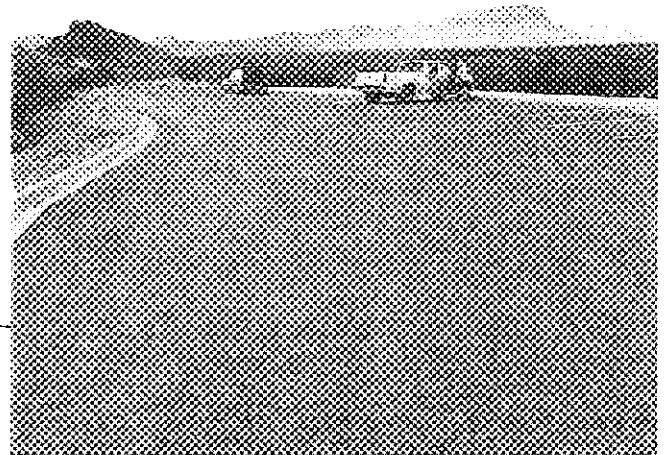
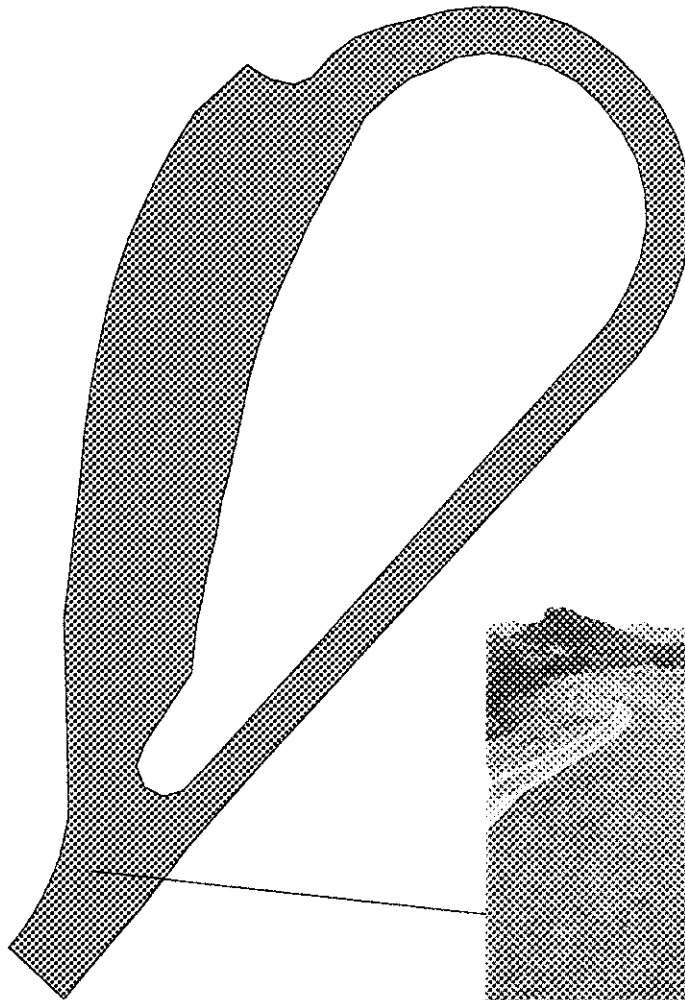
Big Bend National Park

Route 927P

Burro Mesa Pouroff Parking
Lot at end of Rte 113, Burro Mesa

Route	State	Date Visited	Length (mi)	Width (ft)	Area (sq ft)	Lane Miles	Condition
927P	TX	990128			18165.6	0.31	GOOD

- Length and width will be used when applicable
- Lane miles are based on 11' lane widths



100 0 100 200 Feet



Big Bend National Park

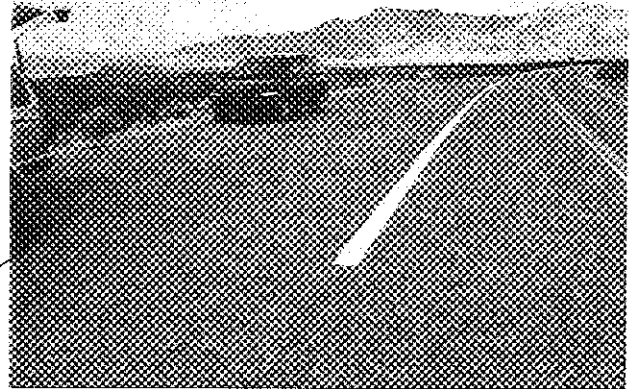
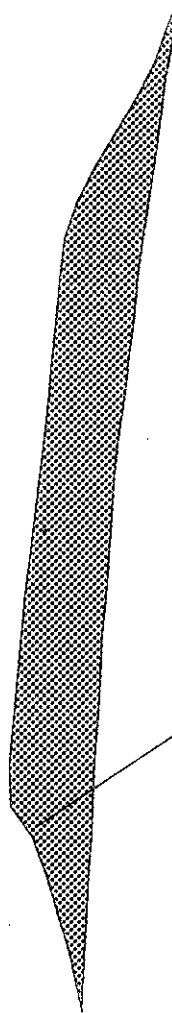
Route 928P

Chimney Trails Parking

Parking off Rte 015

Route	State	Date Visited	Length (mi)	Width (ft)	Area (sq ft)	Lane Miles	Condition
928P	TX	990128			4404.08	0.08	GOOD

- Length and width will be used when applicable
- Lane miles are based on 11' lane widths



100 0 100 Feet



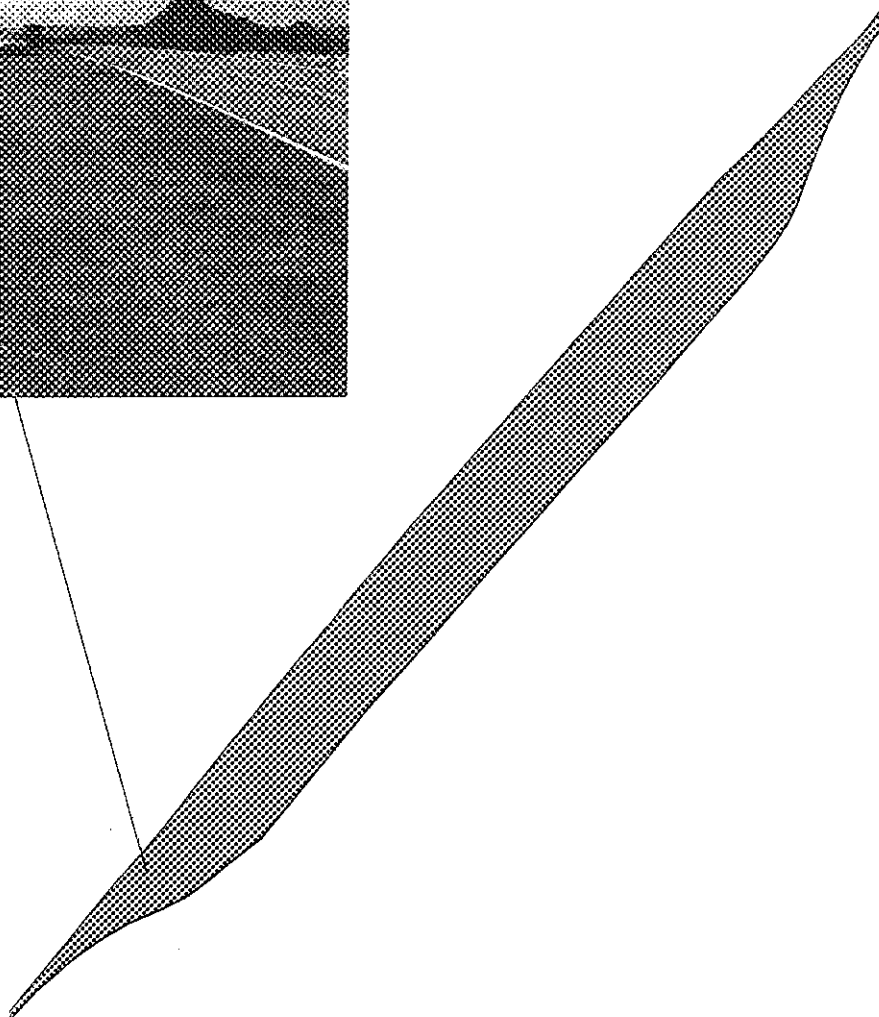
Big Bend National Park

Route 929P

Goat Mountain Parking
Interpretive Parking off Rte 015

Route	State	Date Visited	Length (mi)	Width (ft)	Area (sq ft)	Lane Miles	Condition
929P	TX	990128			4493.57	0.08	GOOD

- Length and width will be used when applicable
- Lane miles are based on 11' lane widths



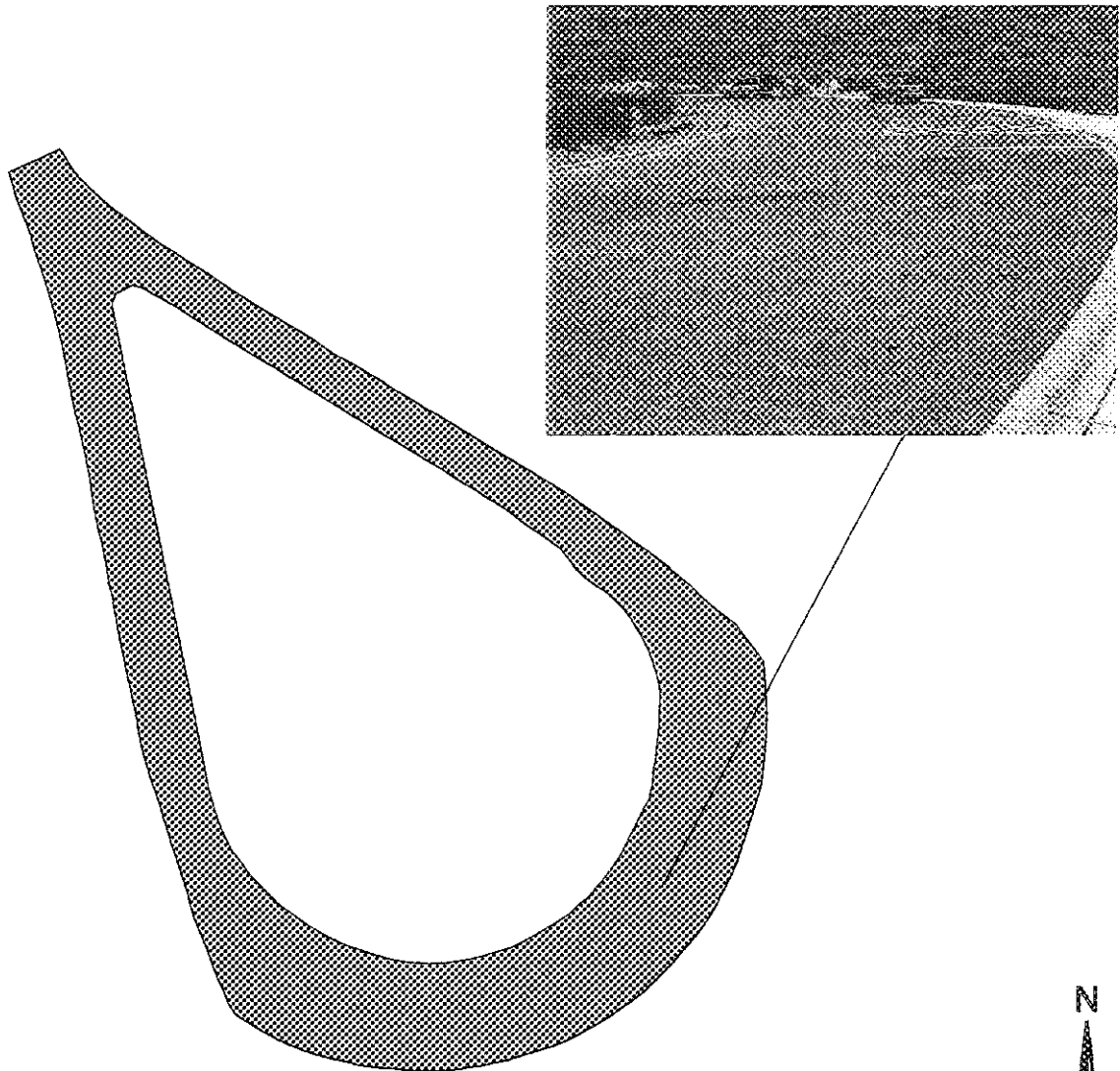
Big Bend National Park

Route 930P

Mule Ears Overlook Parking
Lot at end of Rte 015, Mule Ears

Route	State	Date Visited	Length (mi)	Width (ft)	Area (sq ft)	Lane Miles	Condition
930P	TX	990128			25176.5	0.43	FAIR

- Length and width will be used when applicable
- Lane miles are based on 11' lane widths



200 0 200 Feet



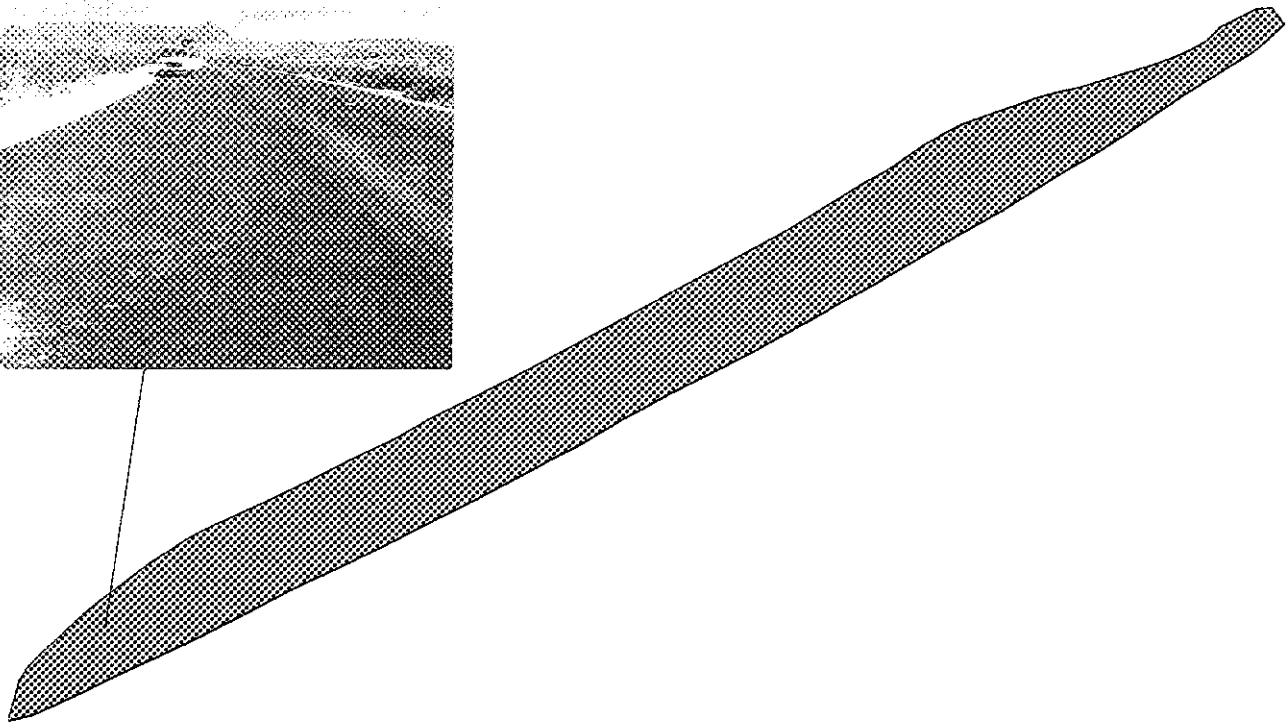
Big Bend National Park

Route 931P

Tuff Canyon Overlook Parking
Parking off Rte 015

Route	State	Date Visited	Length (mi)	Width (ft)	Area (sq ft)	Lane Miles	Condition
931P	TX	990128			4735.25	0.08	GOOD

- Length and width will be used when applicable
- Lane miles are based on 11' lane widths



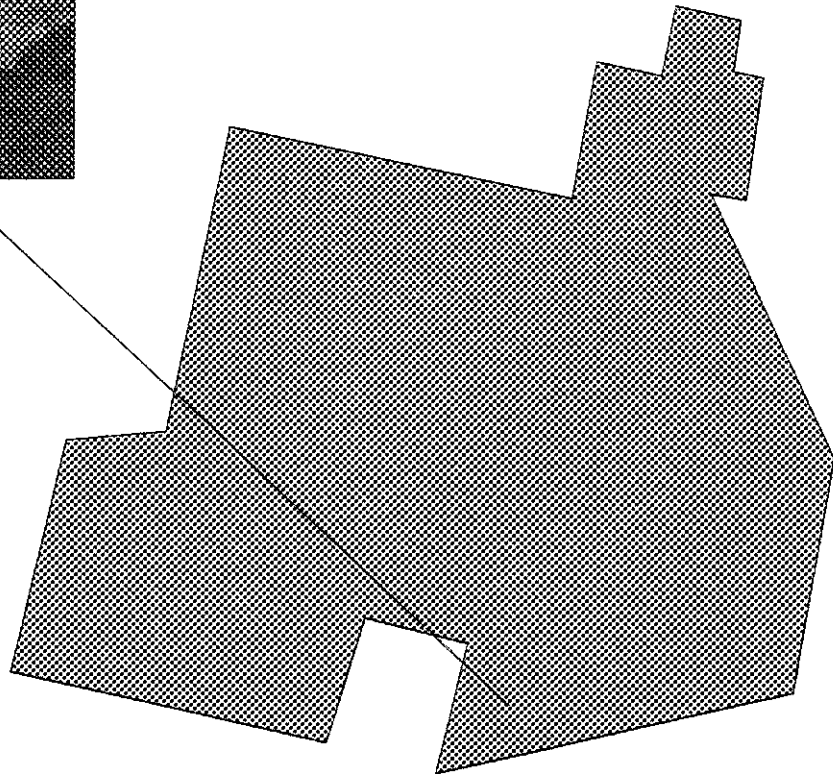
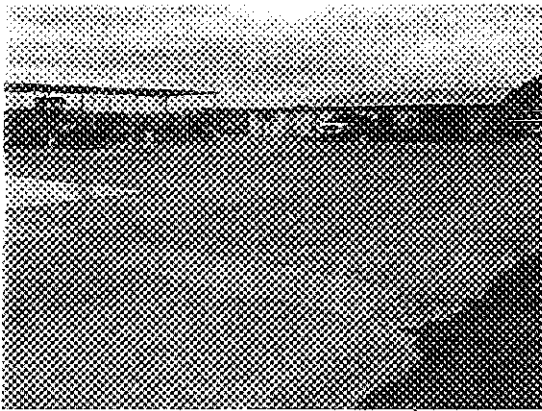
Big Bend National Park

Route 932N

Castolon Maintenance Parking
Lot at end of Rte 426, Castolon

Route	State	Date Visited	Length (mi)	Width (ft)	Area (sq ft)	Lane Miles	Condition
932N	TX	990128			15760.9	0.27	FAIR

- Length and width will be used when applicable
- Lane miles are based on 11' lane widths



Big Bend National Park

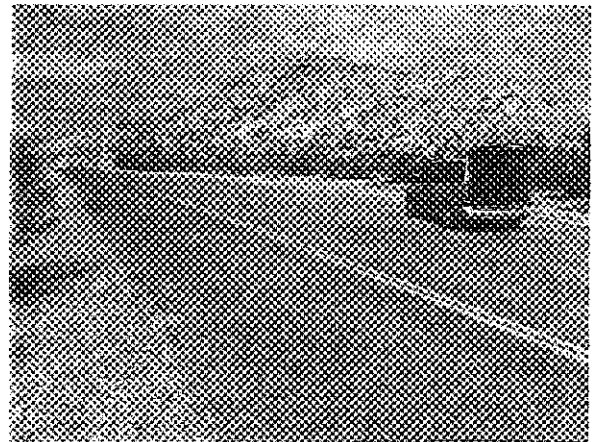
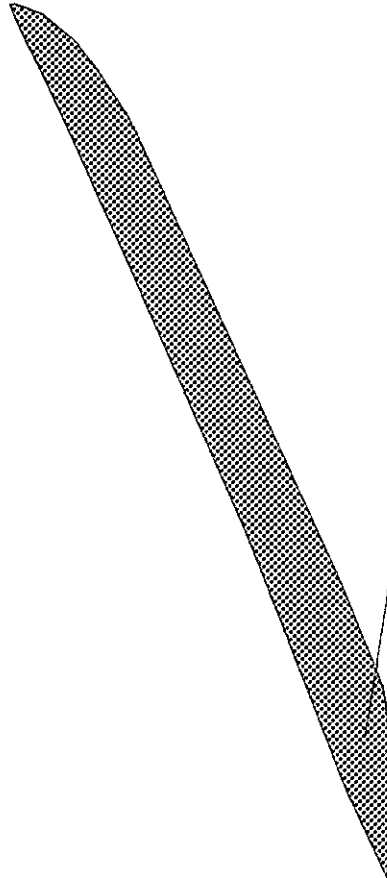
Route 933P

Desert Mountain Overlook

Parking off Rte 016

Route	State	Date Visited	Length (mi)	Width (ft)	Area (sq ft)	Lane Miles	Condition
933P	TX	990128			2693.64	0.05	FAIR

- Length and width will be used when applicable
- Lane miles are based on 11' lane widths



Big Bend National Park

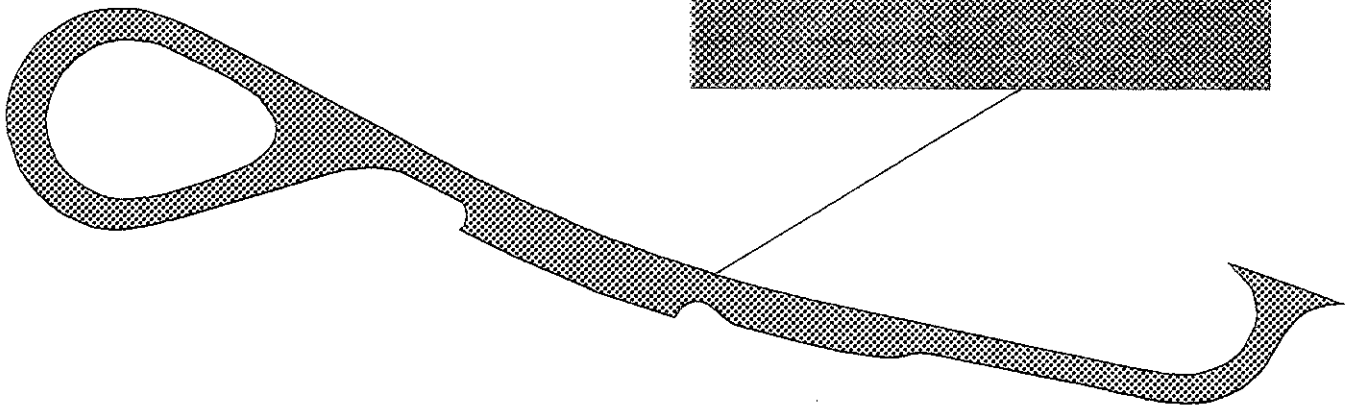
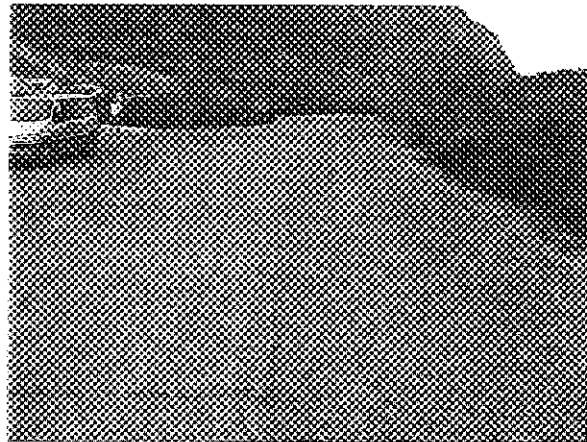
Route 934P

Santa Elena Canyon River Access

Parking off Rte 016

Route	State	Date Visited	Length (mi)	Width (ft)	Area (sq ft)	Lane Miles	Condition
934P	TX	990128			41776.2	0.72	FAIR

- Length and width will be used when applicable
- Lane miles are based on 11' lane widths



300 0 300 600 Feet



Big Bend National Park

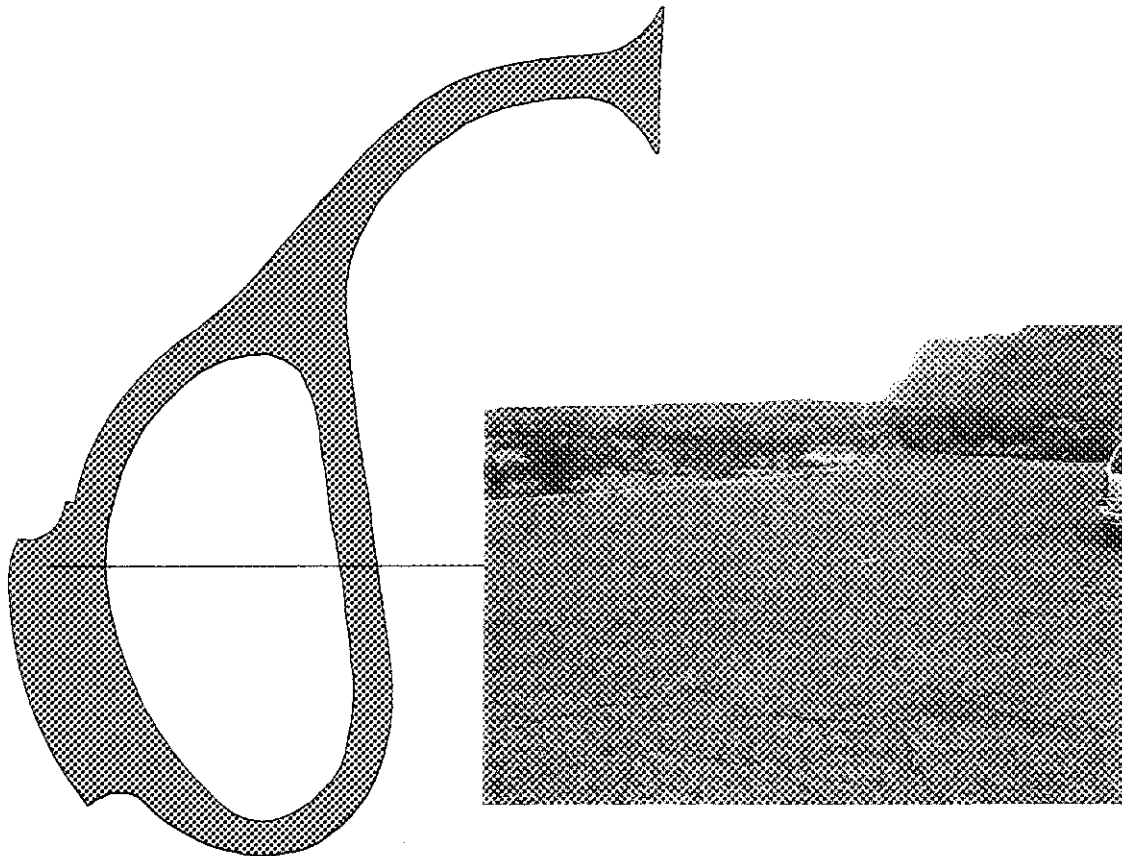
Route 935P

Santa Elena Canyon Overlook Parking

Parking off Rte 016

Route	State	Date Visited	Length (mi)	Width (ft)	Area (sq ft)	Lane Miles	Condition
935P	TX	990128			26488.6	0.46	FAIR

- Length and width will be used when applicable
- Lane miles are based on 11' lane widths



200 0 200 Feet



Big Bend National Park

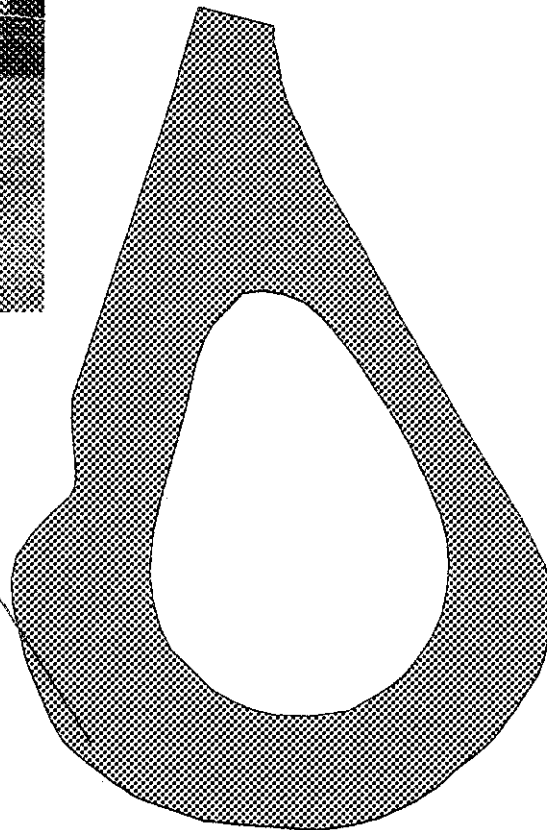
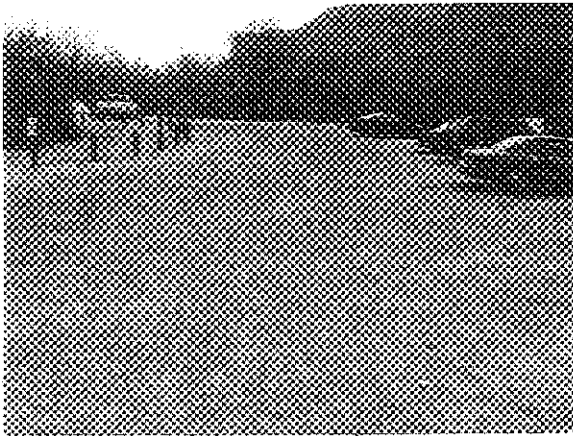
Route 936P

Santa Elena Canyon Picnic Area

Parking at end of Rte 016

Route	State	Date Visited	Length (mi)	Width (ft)	Area (sq ft)	Lane Miles	Condition
936P	TX	990128			31008.8	0.53	FAIR

- Length and width will be used when applicable
- Lane miles are based on 11' lane widths



100 0 100 200 Feet



Big Bend National Park

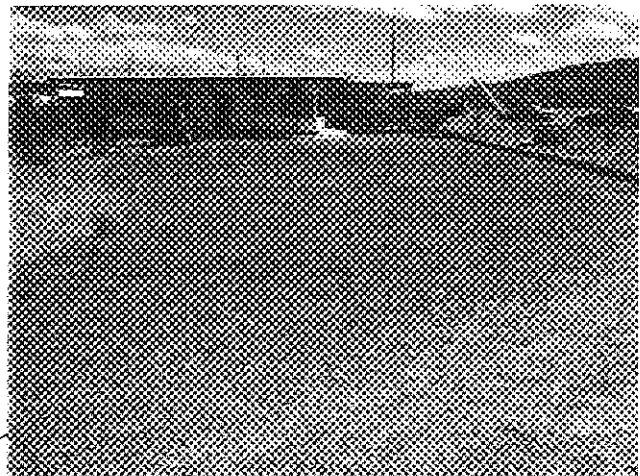
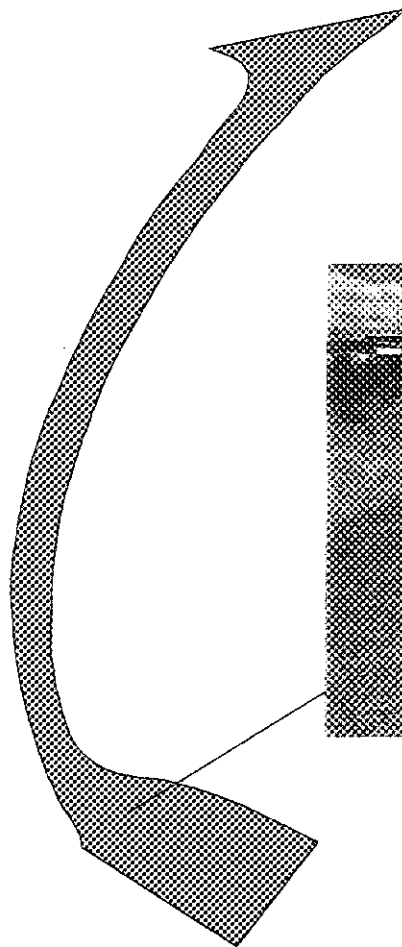
Route 937N

Panther Junction School Parking

Off of Bobcat Loop

Route	State	Date Visited	Length (mi)	Width (ft)	Area (sq ft)	Lane Miles	Condition
937N	TX	990129			10547	0.18	FAIR

- Length and width will be used when applicable
- Lane miles are based on 11' lane widths



200

0

200 Feet



Big Bend National Park

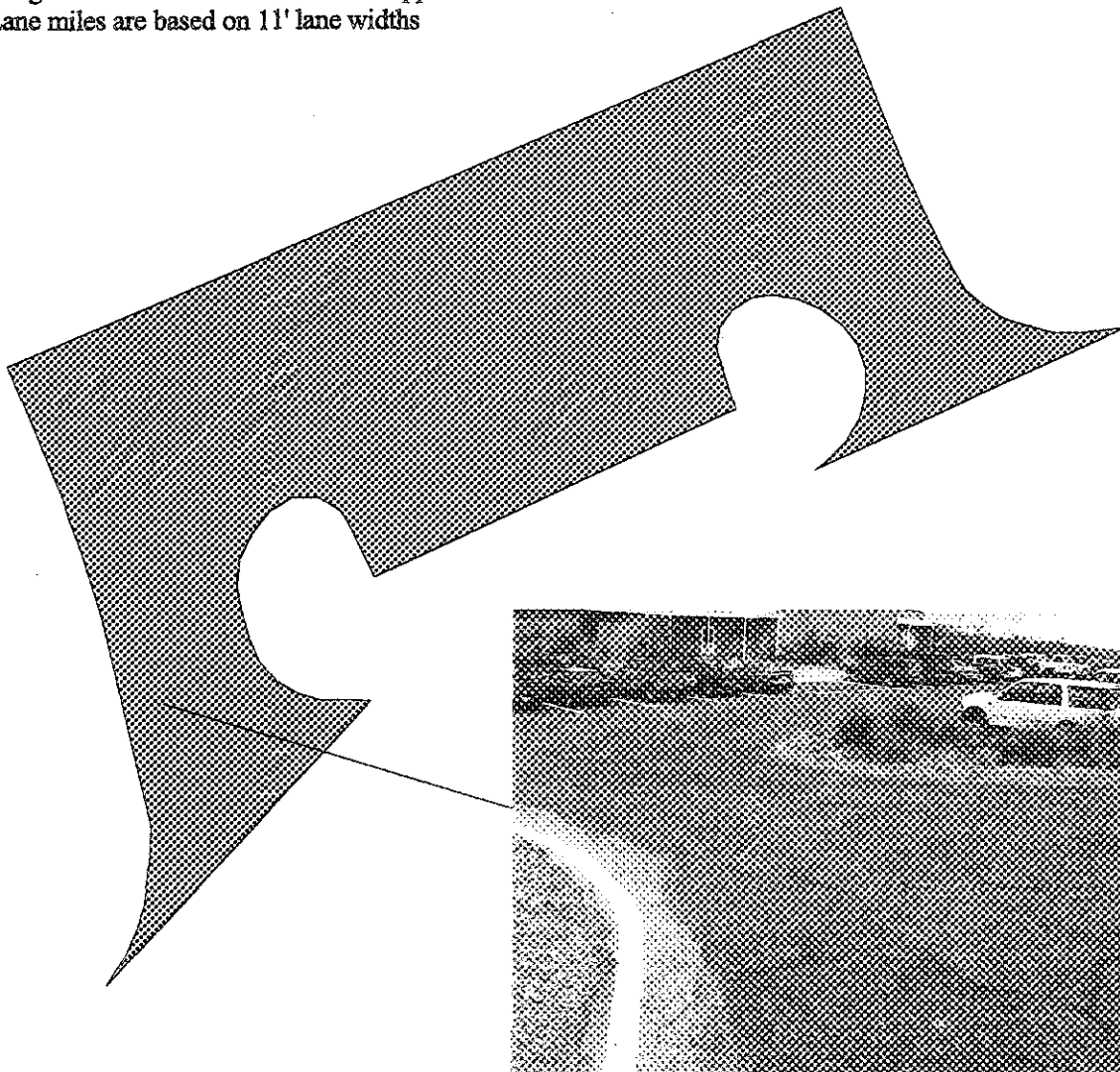
Route 938N

Panther Junction Headquarters Parking

Off of Alsate Ave (Rte 428)

Route	State	Date Visited	Length (mi)	Width (ft)	Area (sq ft)	Lane Miles	Condition
938N	TX	990129			13080.9	0.23	FAIR

- Length and width will be used when applicable
- Lane miles are based on 11' lane widths



Big Bend National Park

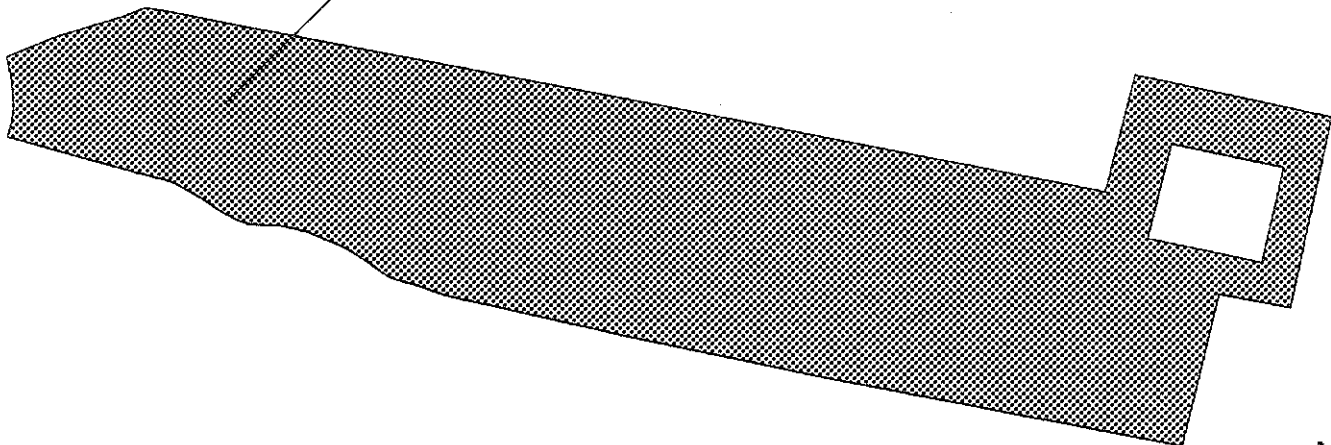
Route 939N

Panther Junction Maintenance Parking

End of Alsate Ave

Route	State	Date Visited	Length (mi)	Width (ft)	Area (sq ft)	Lane Miles	Condition
939N	TX	990129			30322.7	0.52	FAIR

- Length and width will be used when applicable
- Lane miles are based on 11' lane widths



100 0 100 200 Feet



Big Bend National Park

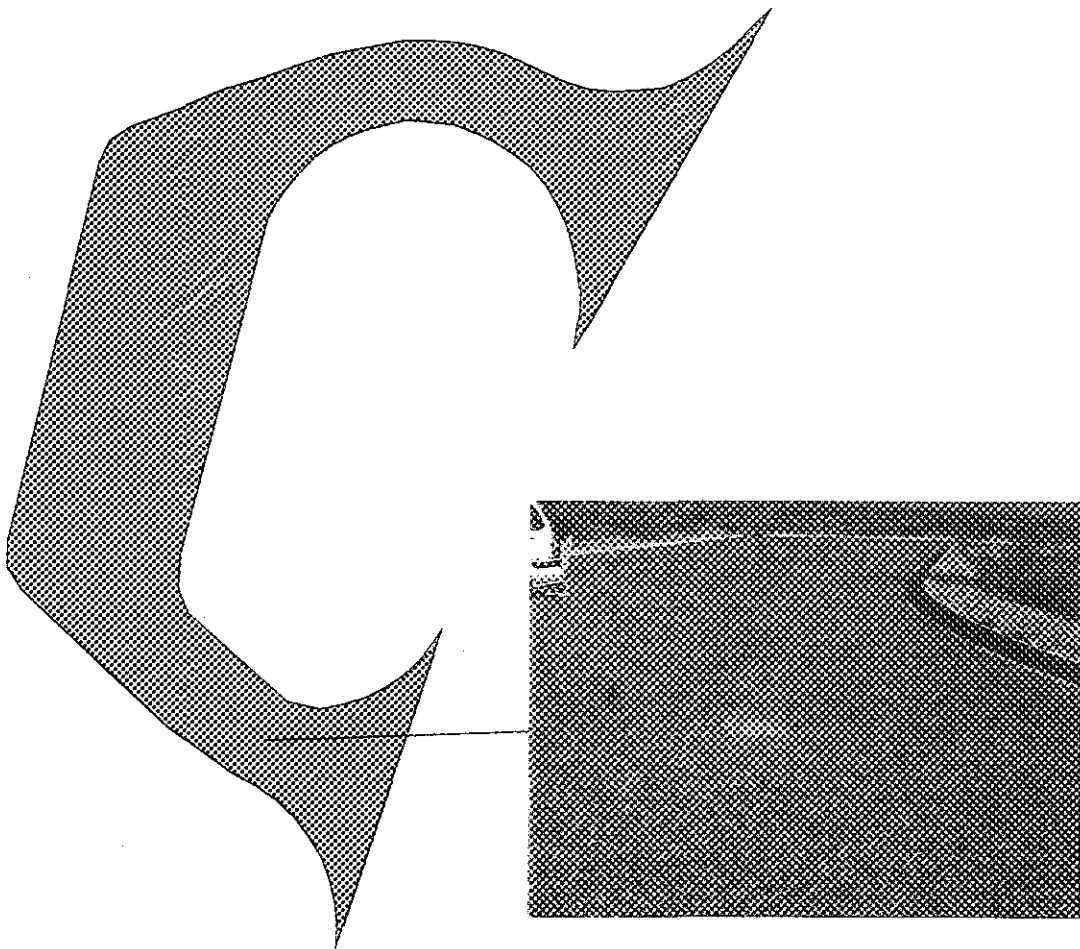
Route 1000P

Animal Highways Interpretive Pullout

Pullout off of Rte 014

Route	State	Date Visited	Length (mi)	Width (ft)	Area (sq ft)	Lane Miles	Condition
1000P	TX	990129			8778.62	0.15	GOOD

- Length and width will be used when applicable
- Lane miles are based on 11' lane widths



60 0 60 120 Feet



Big Bend National Park

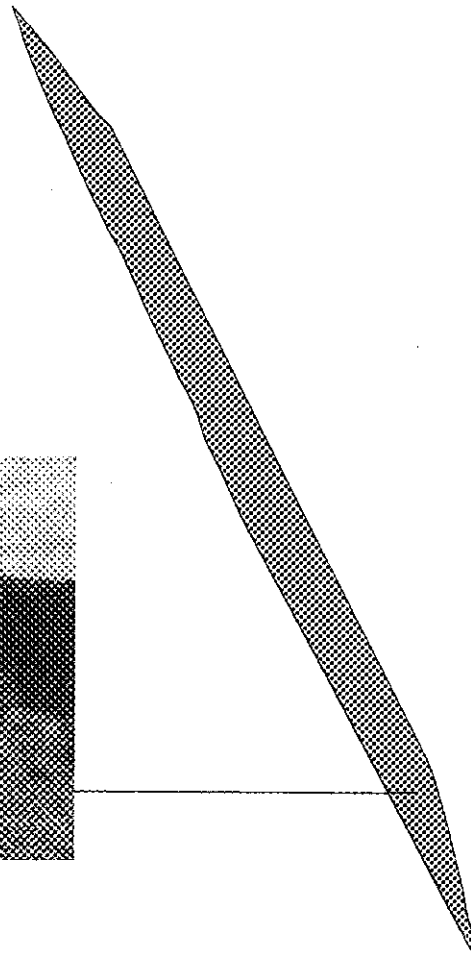
Route 1001P

Chisos Mountain Interpretive Pullout

Pullout off of Rte 015

Route	State	Date Visited	Length (mi)	Width (ft)	Area (sq ft)	Lane Miles	Condition
1001P	TX	990201			4433.3	0.08	FAIR

- Length and width will be used when applicable
- Lane miles are based on 11' lane widths



90 0 90 180 Feet



Big Bend National Park

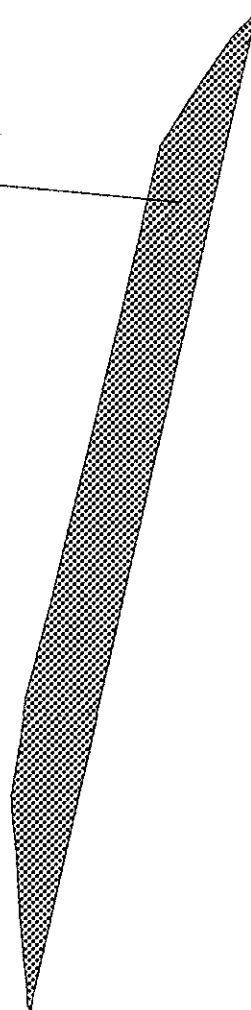
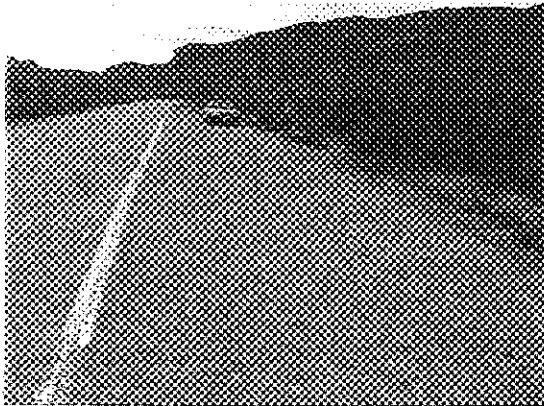
Route 1002P

Sam Nail Ranch Interpretive Pullout

Pullout off of Rte 015

Route	State	Date Visited	Length (mi)	Width (ft)	Area (sq ft)	Lane Miles	Condition
1002P	TX	990201			3360.68	0.06	FAIR

- Length and width will be used when applicable
- Lane miles are based on 11' lane widths



Big Bend National Park

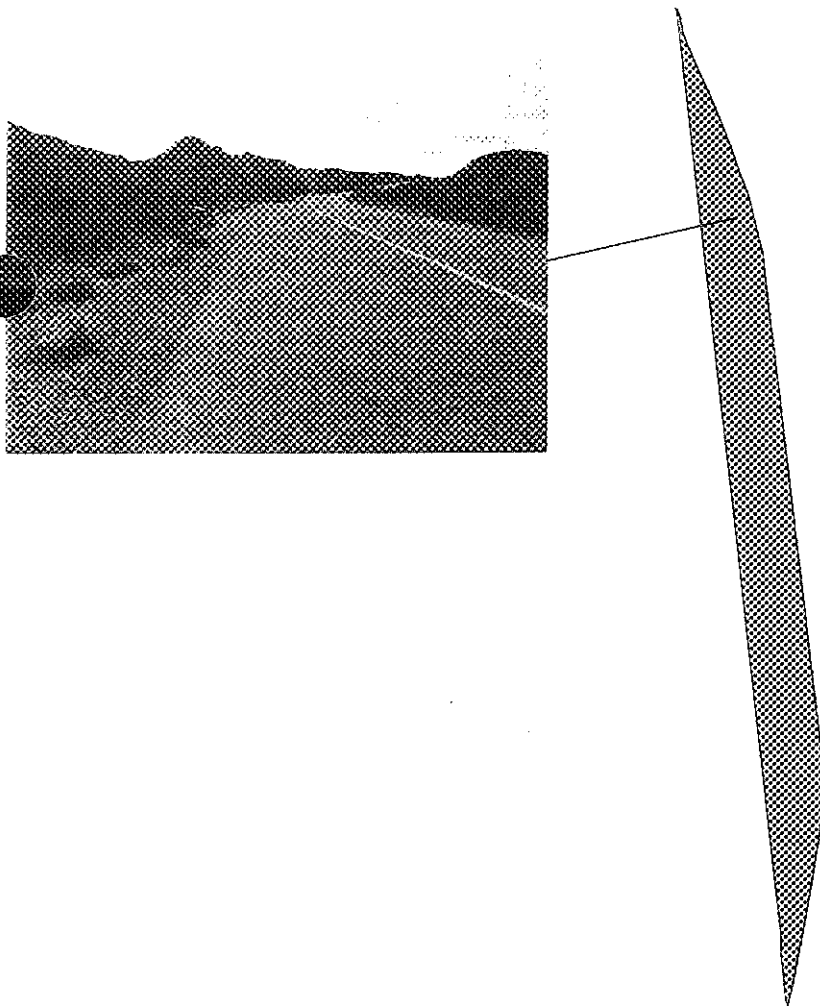
Route 1003P

Fins of Fire Interpretive Pullout

Pullout off of Rte 015

Route	State	Date Visited	Length (mi)	Width (ft)	Area (sq ft)	Lane Miles	Condition
1003P	TX	990201			3683.34	0.06	FAIR

- Length and width will be used when applicable
- Lane miles are based on 11' lane widths



80 0 80 160 Feet



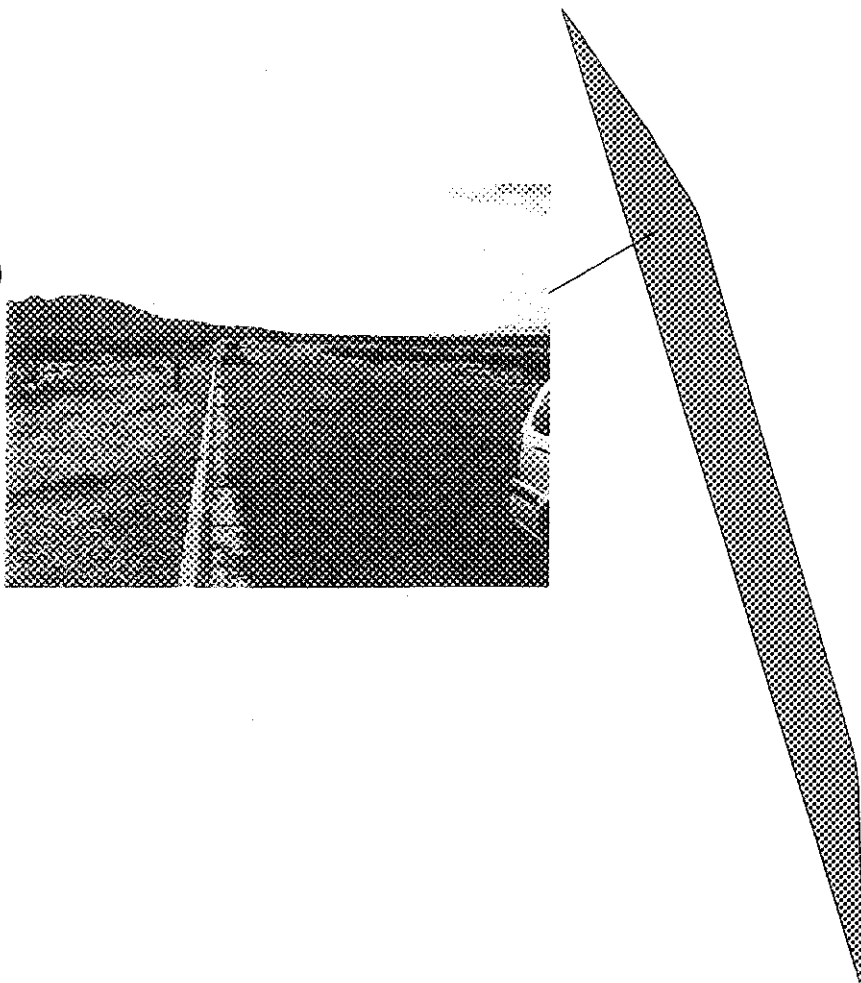
Big Bend National Park

Route 1004P

The Camel Experiment Interpretive Pullout
Pullout off of Rte 011

Route	State	Date Visited	Length (mi)	Width (ft)	Area (sq ft)	Lane Miles	Condition
1004P	TX	990201			3478.28	0.06	FAIR

- Length and width will be used when applicable
- Lane miles are based on 11' lane widths



Big Bend National Park

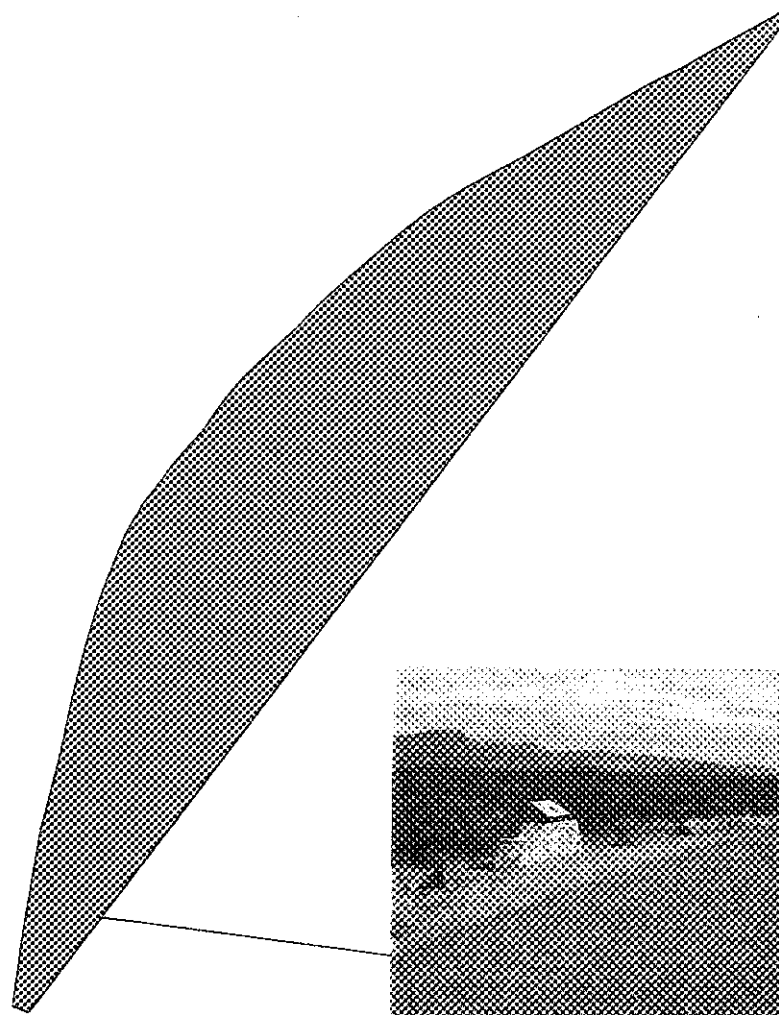
Route 1005P

Invisible Wildlife Interpretive Pullout

Pullout off of Rte 012

Route	State	Date Visited	Length (mi)	Width (ft)	Area (sq ft)	Lane Miles	Condition
1005P	TX	990201			4536.32	0.08	FAIR

- Length and width will be used when applicable
- Lane miles are based on 11' lane widths



Big Bend National Park

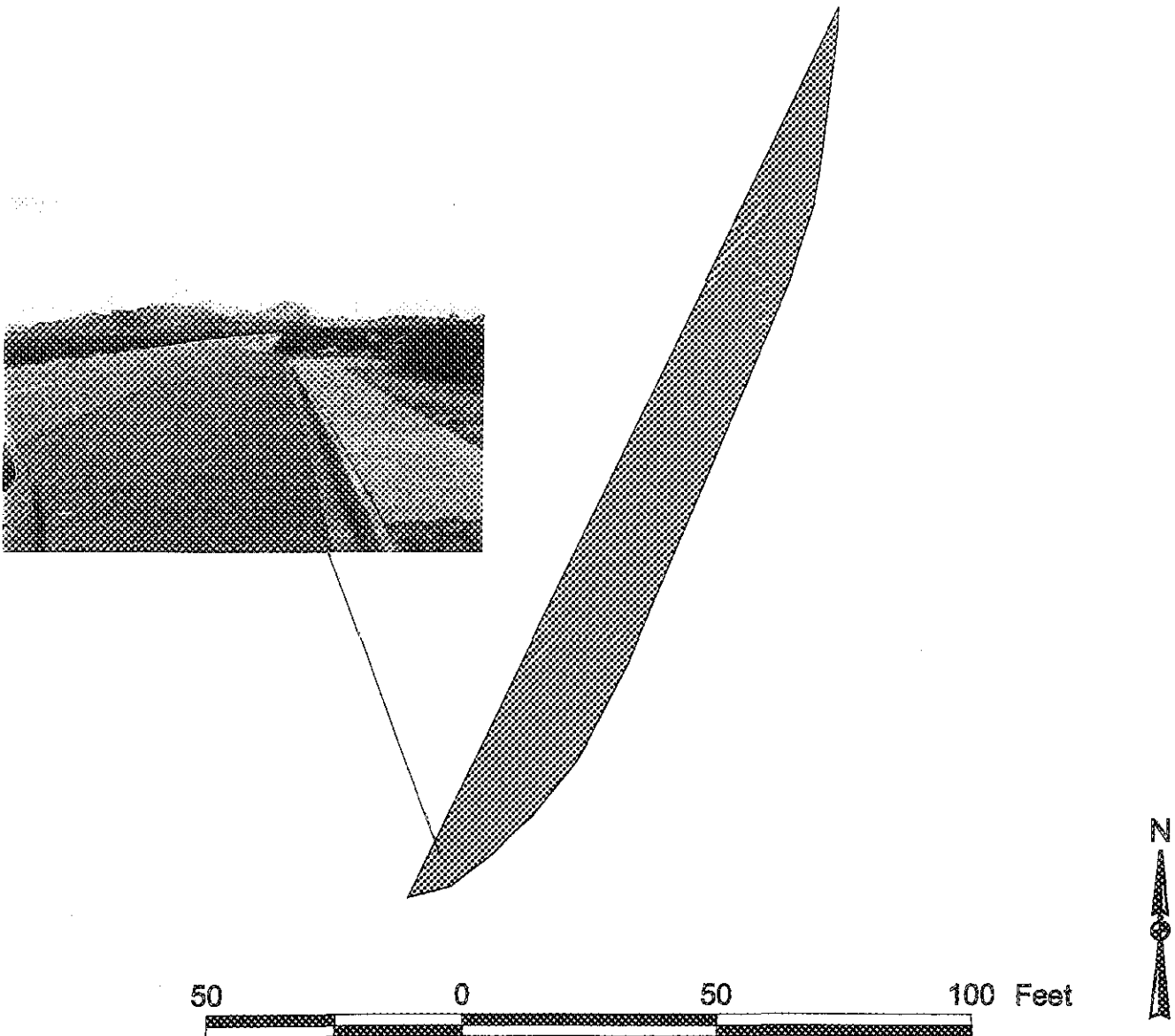
Route 1006P

Vertical Scenery Interpretive Pullout

Pullout off of Rte 012

Route	State	Date Visited	Length (mi)	Width (ft)	Area (sq ft)	Lane Miles	Condition
1006P	TX	990201			2677.07	0.05	FAIR

- Length and width will be used when applicable
- Lane miles are based on 11' lane widths



Big Bend National Park

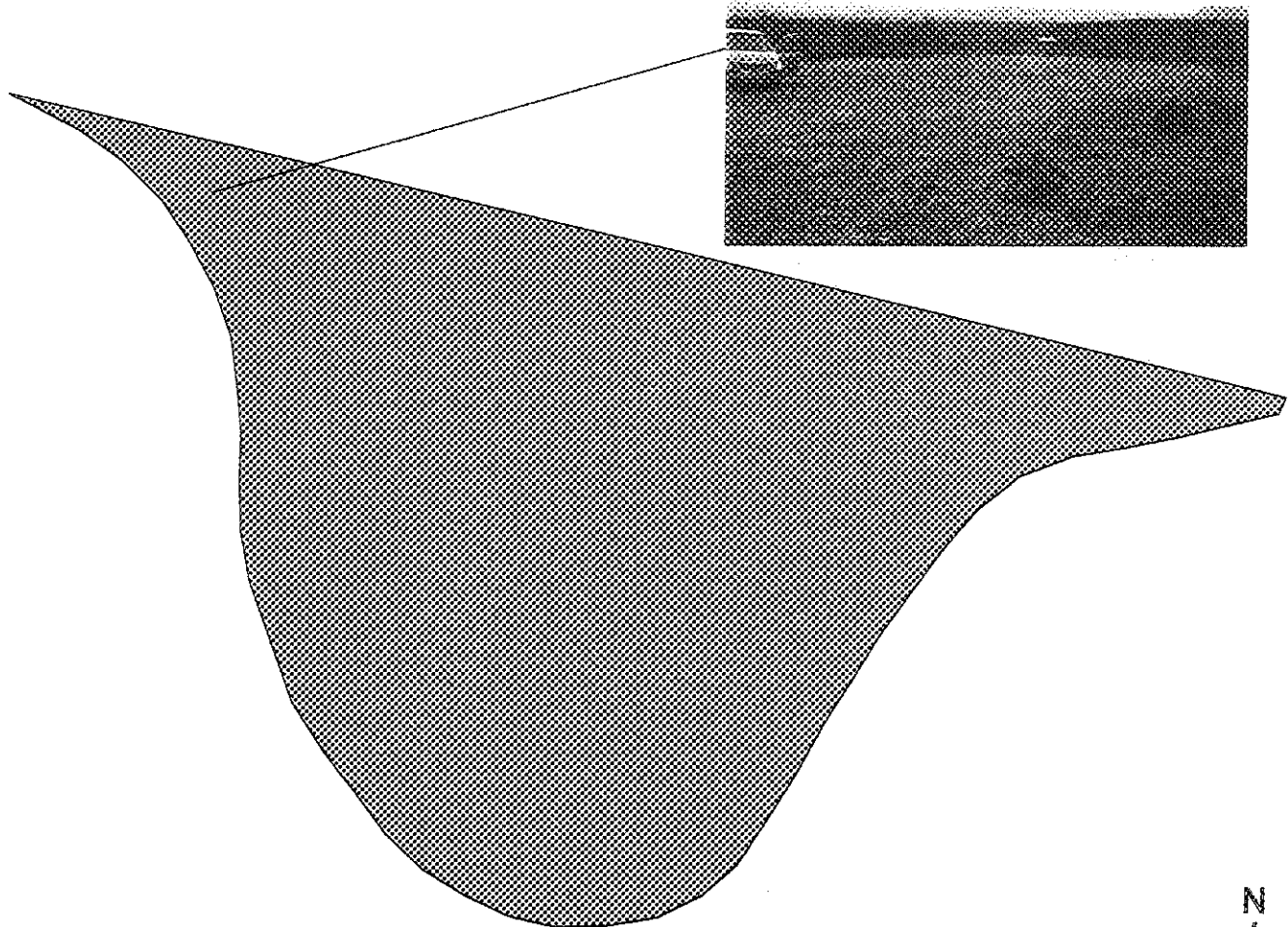
Route 1007P

Chihauhaun Desert Interpretive Pullout

Pullout off of Rte 012

Route	State	Date Visited	Length (mi)	Width (ft)	Area (sq ft)	Lane Miles	Condition
1007P	TX	990201			4717.27	0.08	FAIR

- Length and width will be used when applicable
- Lane miles are based on 11' lane widths



Big Bend National Park

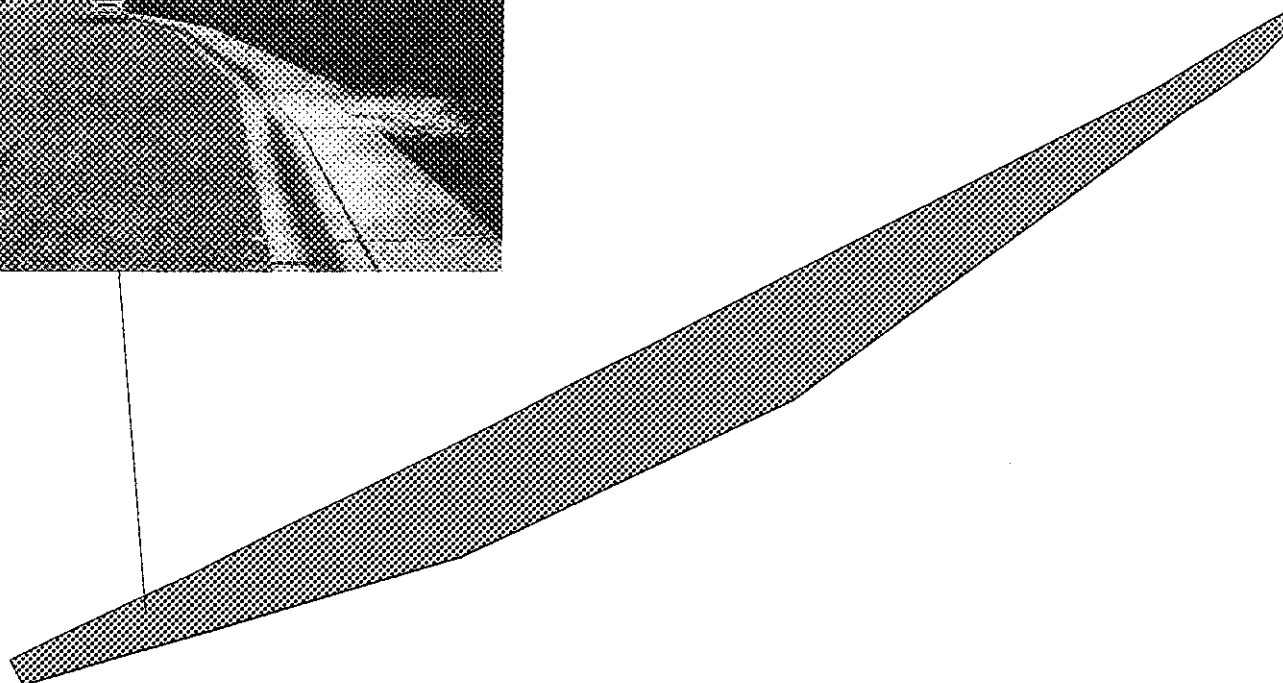
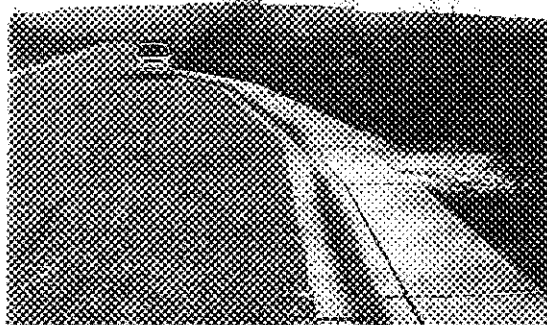
Route 1008P

A Desert Grave Interpretive Pullout

Pullout off of Rte 011

Route	State	Date Visited	Length (mi)	Width (ft)	Area (sq ft)	Lane Miles	Condition
1008P	TX	990201			1302.9	0.02	FAIR

- Length and width will be used when applicable
- Lane miles are based on 11' lane widths



Big Bend National Park

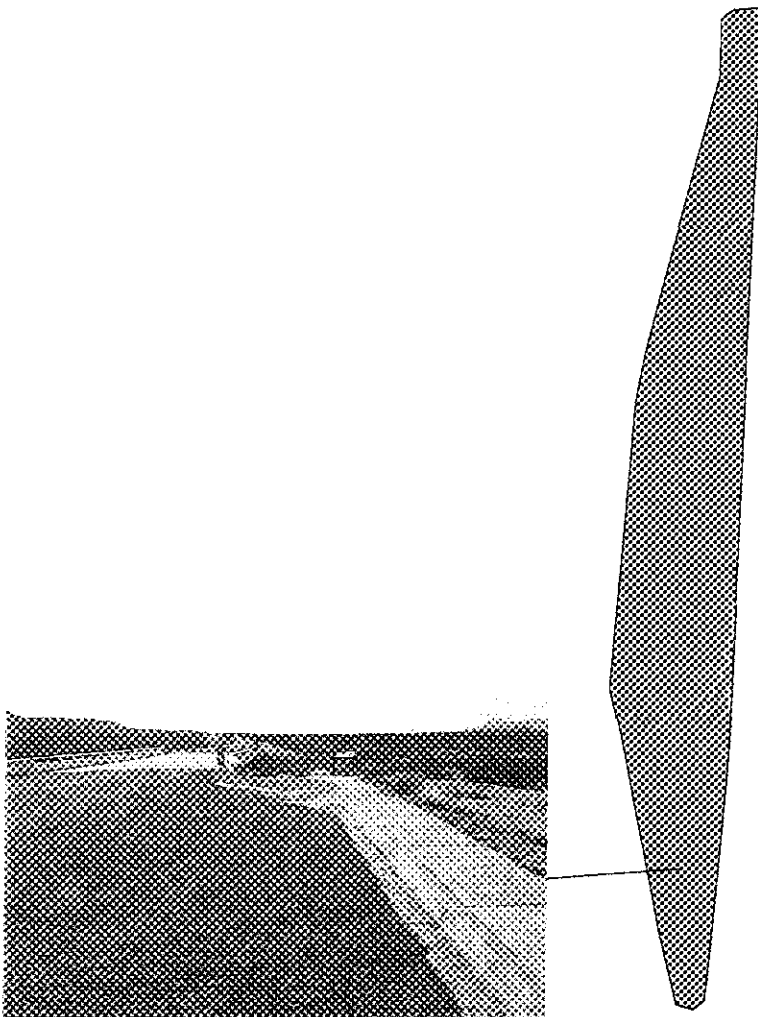
Route 1009P

Flash Flood Interpretive Pullout

Pullout off of Rte 011

Route	State	Date Visited	Length (mi)	Width (ft)	Area (sq ft)	Lane Miles	Condition
1009P	TX	990201			1068.34	0.02	FAIR

- Length and width will be used when applicable
- Lane miles are based on 11' lane widths



Big Bend National Park

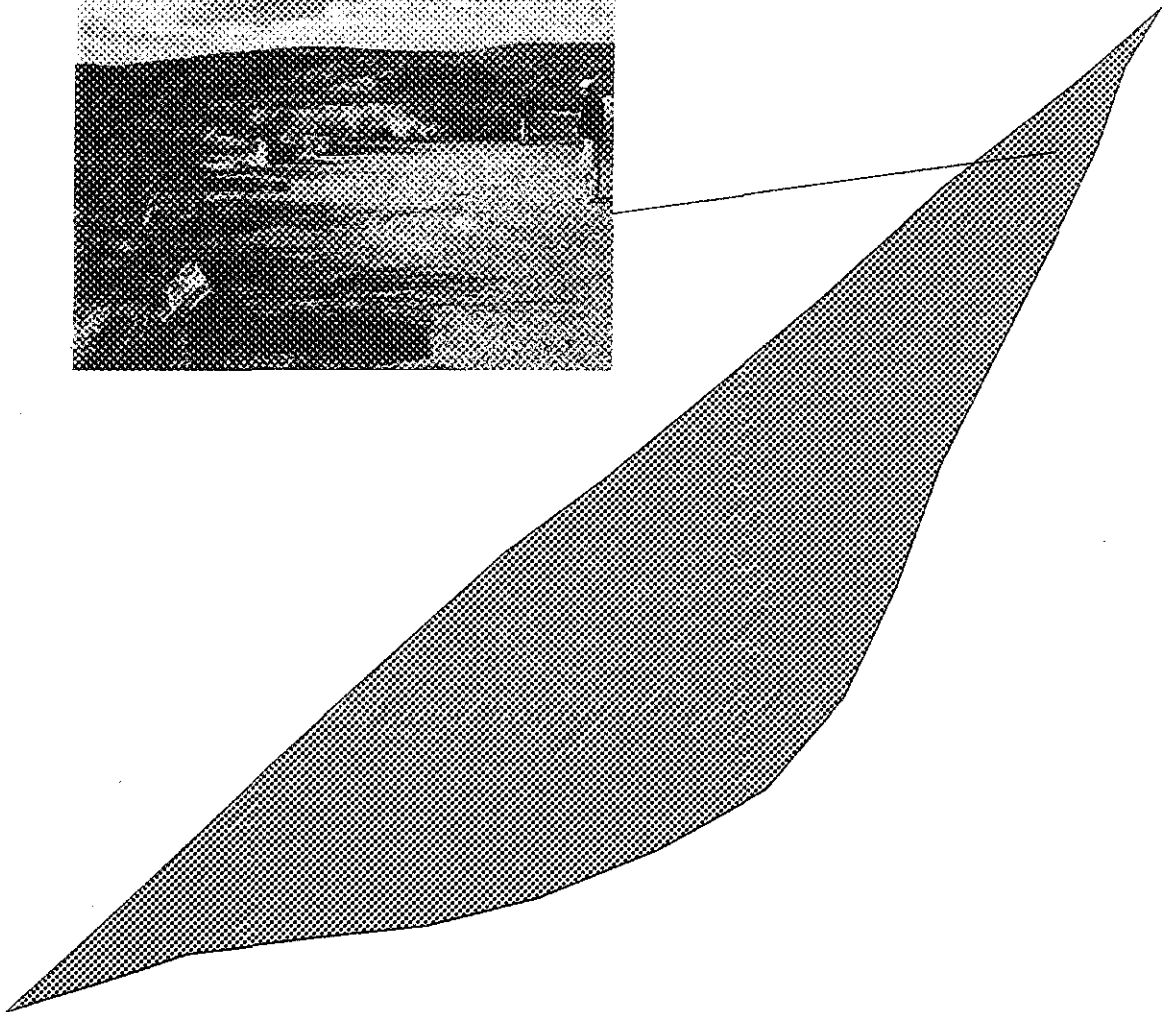
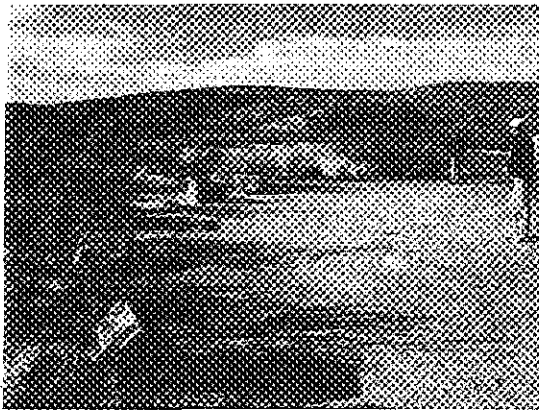
Route 1010P

Move a Mountain Interpretive Pullout

Pullout off of Rte 109

Route	State	Date Visited	Length (mi)	Width (ft)	Area (sq ft)	Lane Miles	Condition
1010P	TX	990201			1623.96	0.03	UNPV

- Length and width will be used when applicable
- Lane miles are based on 11' lane widths



20 0 20 40 Feet

A scale bar with markings for 20, 0, 20, and 40 feet. The bar is divided into segments corresponding to these measurements.

Big Bend National Park

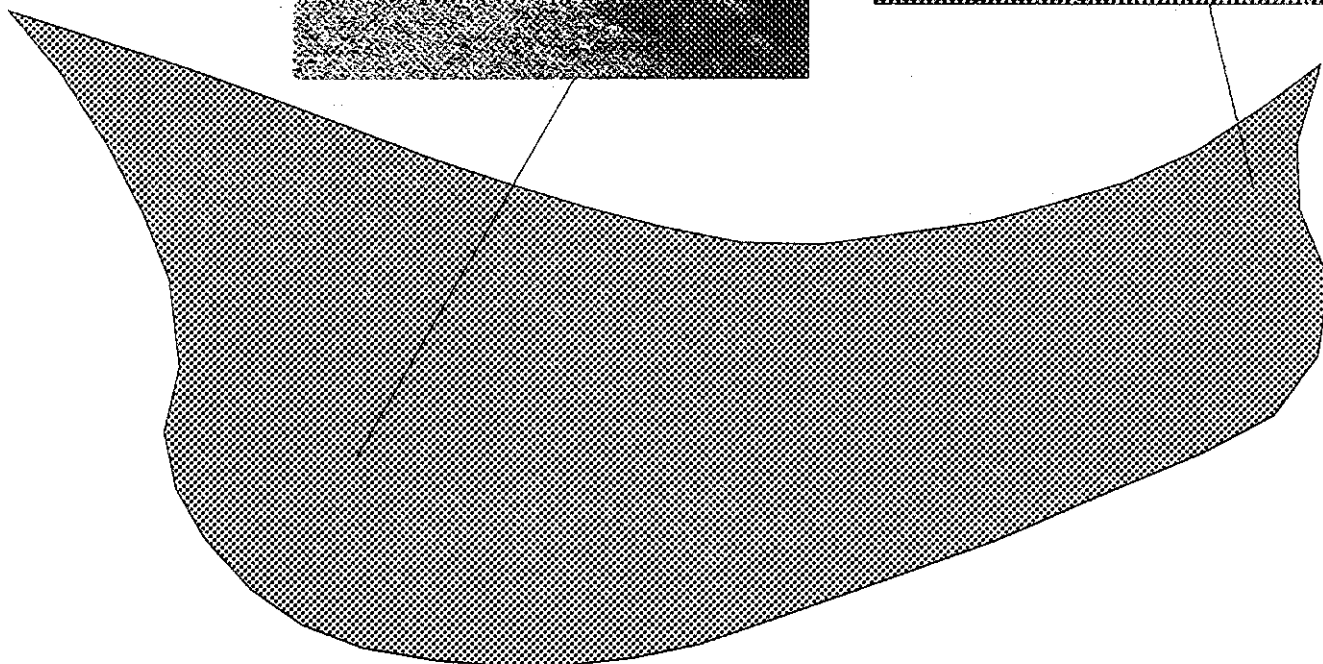
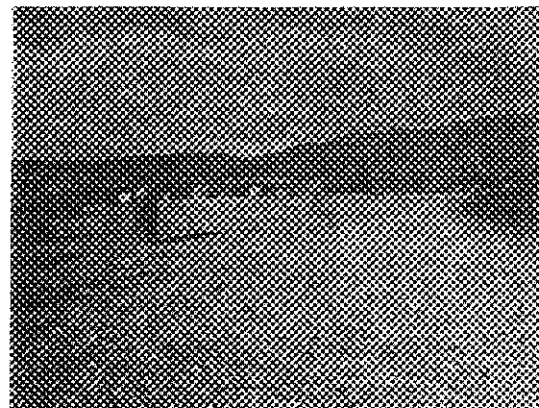
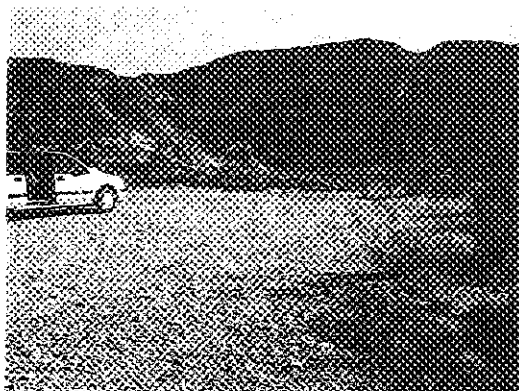
Route 1011P

Boquillas Canyon Interpretive Pullout

Pullout off of Rte 109

Route	State	Date Visited	Length (mi)	Width (ft)	Area (sq ft)	Lane Miles	Condition
1011P	TX	990201			8579.62	0.15	UNPV

- Length and width will be used when applicable
- Lane miles are based on 11' lane widths



40 0 40 80 Feet



Big Bend National Park

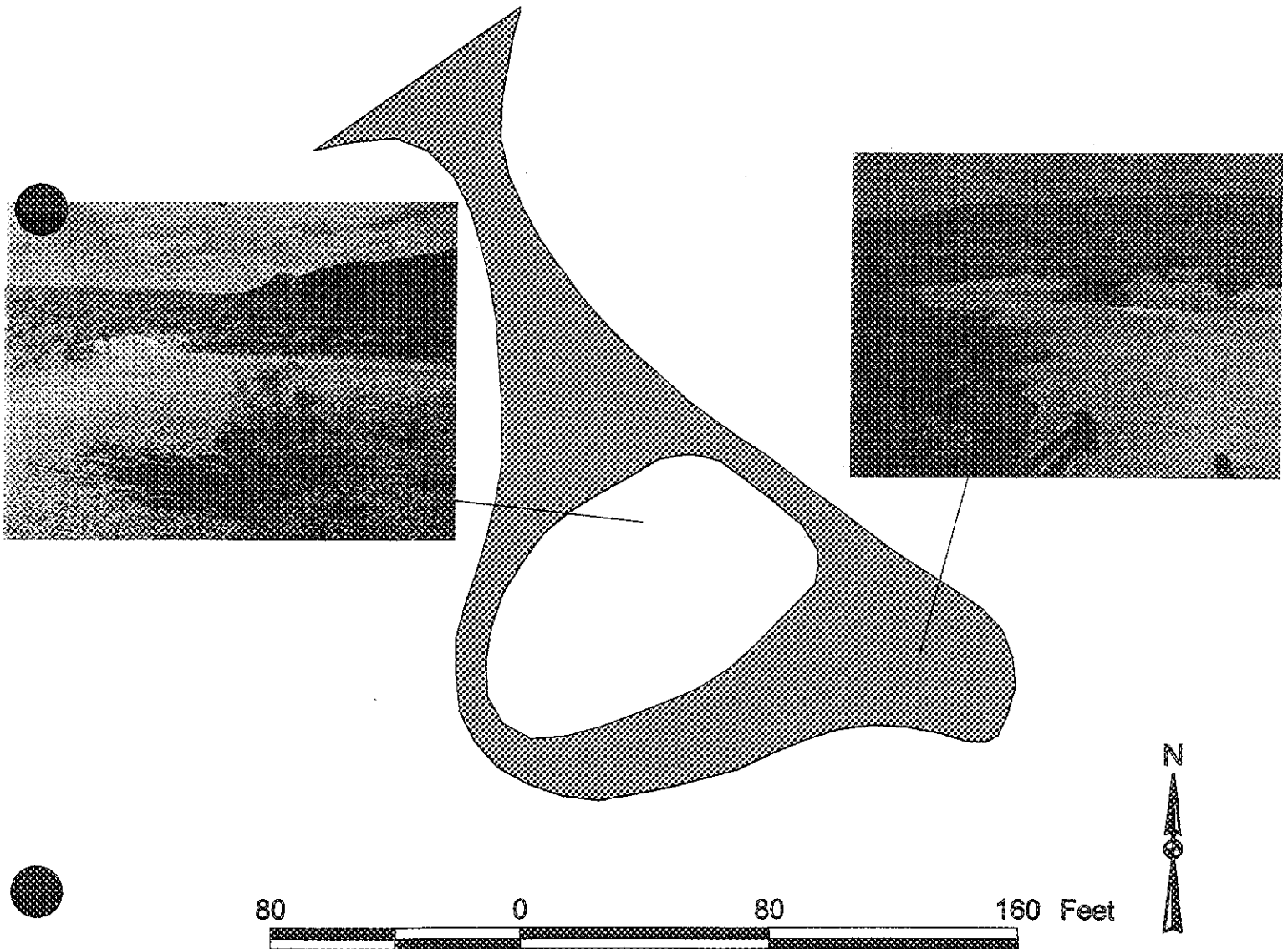
Route 1012P

Boquillas, Mexico Interpretive Pullout

Pullout off of Rte 109

Route	State	Date Visited	Length (mi)	Width (ft)	Area (sq ft)	Lane Miles	Condition
1012P	TX	990201			13148.3	0.23	UNPV

- Length and width will be used when applicable
- Lane miles are based on 11' lane widths



Big Bend National Park

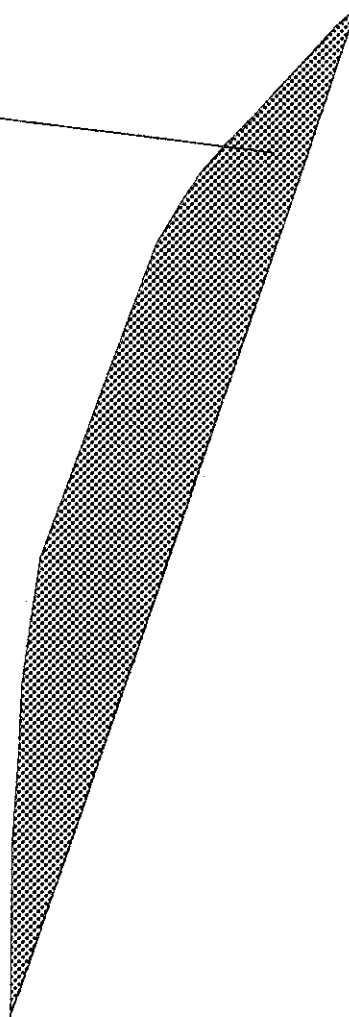
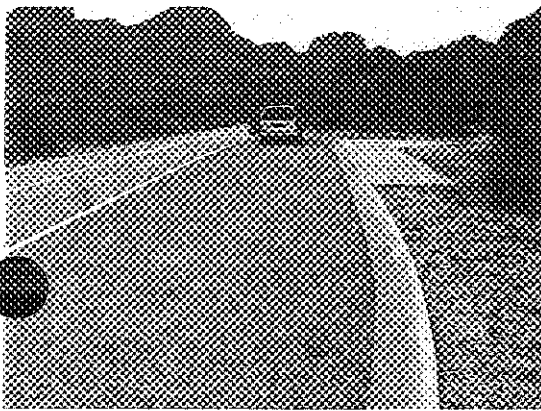
Route 1013P

Bear and Mountain Lion Country Pullout

Pullout off of Rte 014

Route	State	Date Visited	Length (mi)	Width (ft)	Area (sq ft)	Lane Miles	Condition
1013P	TX	990201			2156.91	0.04	FAIR

- Length and width will be used when applicable
- Lane miles are based on 11' lane widths



Big Bend National Park

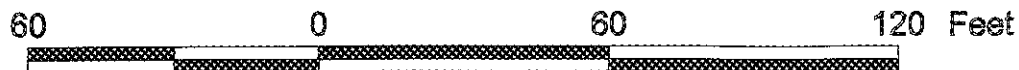
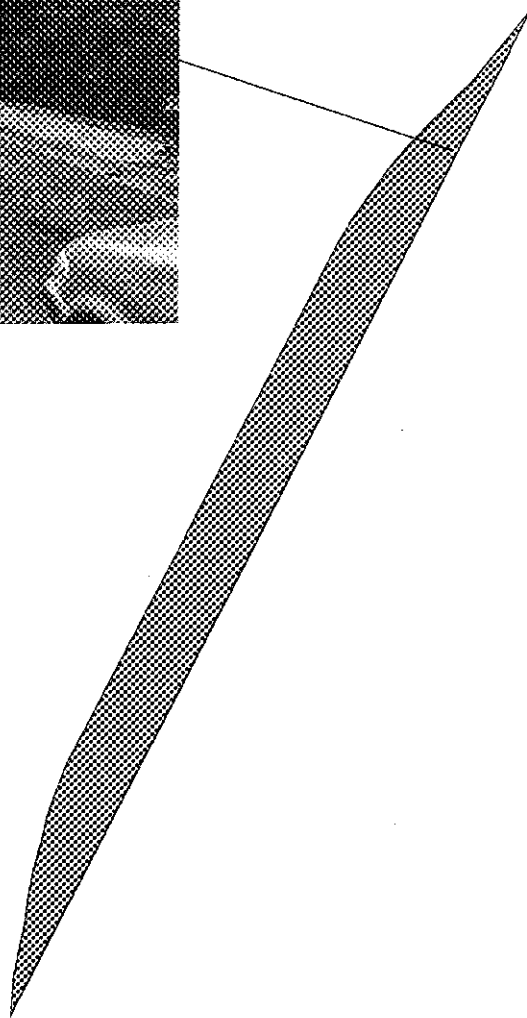
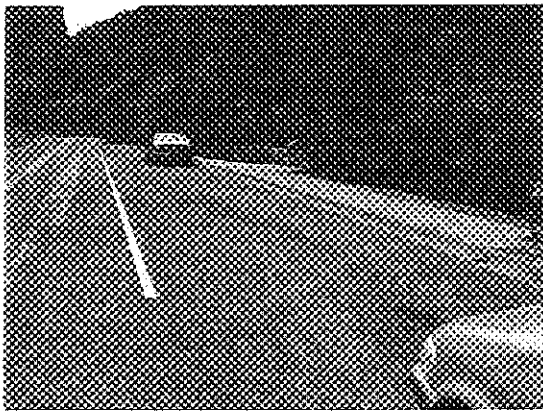
Route 1014P

Tree Zone Interpretive Pullout

Pullout off of Rte 014

Route	State	Date Visited	Length (mi)	Width (ft)	Area (sq ft)	Lane Miles	Condition
1014P	TX	990201			2497.12	0.04	FAIR

- Length and width will be used when applicable
- Lane miles are based on 11' lane widths



PARKWIDE MAINTENANCE FEATURES SUMMARY

Southwest: BIBE : 7130

ICAP CODE	FEATURE	PARK TOTAL	UNIT
1152	PULLOUT (PAVED)	51	EACH
1153	INTERSECTION	84	EACH
1190	TURNOUT (PASSING LANE)	909	LINEAR FEET
1320	PAVED DITCH	25221	LINEAR FEET
1331	CULVERT OPENINGS	739	EACH
1333	DROP INLET	31	EACH
1340	CURB	27599	LINEAR FEET
1530	TRAFFIC LIGHT	0	EACH
1540	GUARDRAIL	3209	LINEAR FEET
1542	GUARD WALL	338	LINEAR FEET
1545	CATTLE GUARD	0	EACH
1720	BRIDGE	26	EACH
1740	TUNNEL	2	EACH
3361	RETAINING WALL	0	EACH
5833	LIGHT POLE	0	EACH
8390	OVERHEAD SIGN	0	EACH
8400	RAILROAD CROSSING	0	EACH
	PARK BOUNDARY	2	EACH

ROUTE MAINTENANCE FEATURES SUMMARY

Southwest: BIBE : 7130

ROUTE:011 : North Entrance Road

ICAP CODE	FEATURE	TOTAL	UNIT
1152	PULLOUT (PAVED)	6	EACH
1153	INTERSECTION	10	EACH
1190	TURNOUT (PASSING LANE)	333	LINEAR FEET
1320	PAVED DITCH	1104	LINEAR FEET
1331	CULVERT	158	EACH
1333	DROP INLET	0	EACH
1340	CURB	982	LINEAR FEET
1530	TRAFFIC LIGHT	0	EACH
1540	GUARDRAIL	0	LINEAR FEET
1542	GUARD WALL	0	LINEAR FEET
1545	CATTLE GUARD	0	EACH
1720	BRIDGE	6	EACH
1740	TUNNEL	0	EACH
3361	RETAINING WALL	0	EACH
5833	LIGHT POLE	0	EACH
8390	OVERHEAD SIGN	0	EACH
8400	RAILROAD CROSSING	0	EACH
	PARK BOUNDARY	1	EACH

ROUTE MAINTENANCE FEATURES SUMMARY

Southwest: BIBE : 7130

ROUTE:012 : Rio Grande Road

ICAP CODE	FEATURE	TOTAL	UNIT
1152	PULLOUT (PAVED)	1	EACH
1153	INTERSECTION	15	EACH
1190	TURNOUT (PASSING LANE)	0	LINEAR FEET
1320	PAVED DITCH	539	LINEAR FEET
1331	CULVERT	62	EACH
1333	DROP INLET	1	EACH
1340	CURB	0	LINEAR FEET
1530	TRAFFIC LIGHT	0	EACH
1540	GUARDRAIL	0	LINEAR FEET
1542	GUARD WALL	0	LINEAR FEET
1545	CATTLE GUARD	0	EACH
1720	BRIDGE	2	EACH
1740	TUNNEL	2	EACH
3361	RETAINING WALL	0	EACH
5833	LIGHT POLE	0	EACH
8390	OVERHEAD SIGN	0	EACH
8400	RAILROAD CROSSING	0	EACH
	PARK BOUNDARY	0	EACH

ROUTE MAINTENANCE FEATURES SUMMARY

Southwest: BIBE : 7130

ROUTE:013 : West Entrance Road

ICAP CODE	FEATURE	TOTAL	UNIT
1152	PULLOUT (PAVED)	8	EACH
1153	INTERSECTION	9	EACH
1190	TURNOUT (PASSING LANE)	412	LINEAR FEET
1320	PAVED DITCH	1436	LINEAR FEET
1331	CULVERT	159	EACH
1333	DROP INLET	1	EACH
1340	CURB	11773	LINEAR FEET
1530	TRAFFIC LIGHT	0	EACH
1540	GUARDRAIL	0	LINEAR FEET
1542	GUARD WALL	0	LINEAR FEET
1545	CATTLE GUARD	0	EACH
1720	BRIDGE	2	EACH
1740	TUNNEL	0	EACH
3361	RETAINING WALL	0	EACH
5833	LIGHT POLE	0	EACH
8390	OVERHEAD SIGN	0	EACH
8400	RAILROAD CROSSING	0	EACH
	PARK BOUNDARY	1	EACH

ROUTE MAINTENANCE FEATURES SUMMARY

Southwest: BIBE : 7130

ROUTE:014 : Chisos Basin Road

ICAP CODE	FEATURE	TOTAL	UNIT
1152	PULLOUT (PAVED)	7	EACH
1153	INTERSECTION	2	EACH
1190	TURNOUT (PASSING LANE)	164	LINEAR FEET
1320	PAVED DITCH	0	LINEAR FEET
1331	CULVERT	36	EACH
1333	DROP INLET	1	EACH
1340	CURB	3637	LINEAR FEET
1530	TRAFFIC LIGHT	0	EACH
1540	GUARDRAIL	0	LINEAR FEET
1542	GUARD WALL	0	LINEAR FEET
1545	CATTLE GUARD	0	EACH
1720	BRIDGE	14	EACH
1740	TUNNEL	0	EACH
3361	RETAINING WALL	0	EACH
5833	LIGHT POLE	0	EACH
8390	OVERHEAD SIGN	0	EACH
8400	RAILROAD CROSSING	0	EACH
	PARK BOUNDARY	0	EACH

ROUTE MAINTENANCE FEATURES SUMMARY

Southwest: BIBE : 7130

ROUTE:015 : Ross Maxwell Scenic Drive

ICAP CODE	FEATURE	TOTAL	UNIT
1152	PULLOUT (PAVED)	21	EACH
1153	INTERSECTION	10	EACH
1190	TURNOUT (PASSING LANE)	0	LINEAR FEET
1320	PAVED DITCH	19053	LINEAR FEET
1331	CULVERT	251	EACH
1333	DROP INLET	28	EACH
1340	CURB	8814	LINEAR FEET
1530	TRAFFIC LIGHT	0	EACH
1540	GUARDRAIL	3209	LINEAR FEET
1542	GUARD WALL	338	LINEAR FEET
1545	CATTLE GUARD	0	EACH
1720	BRIDGE	0	EACH
1740	TUNNEL	0	EACH
3361	RETAINING WALL	0	EACH
5833	LIGHT POLE	0	EACH
8390	OVERHEAD SIGN	0	EACH
8400	RAILROAD CROSSING	0	EACH
	PARK BOUNDARY	0	EACH

ROUTE MAINTENANCE FEATURES SUMMARY

Southwest: BIBE : 7130

ROUTE:016 : Santa Elena Canyon Road

ICAP CODE	FEATURE	TOTAL	UNIT
1152	PULLOUT (PAVED)	5	EACH
1153	INTERSECTION	3	EACH
1190	TURNOUT (PASSING LANE)	0	LINEAR FEET
1320	PAVED DITCH	3089	LINEAR FEET
1331	CULVERT	47	EACH
1333	DROP INLET	0	EACH
1340	CURB	1422	LINEAR FEET
1530	TRAFFIC LIGHT	0	EACH
1540	GUARDRAIL	0	LINEAR FEET
1542	GUARD WALL	0	LINEAR FEET
1545	CATTLE GUARD	0	EACH
1720	BRIDGE	2	EACH
1740	TUNNEL	0	EACH
3361	RETAINING WALL	0	EACH
5833	LIGHT POLE	0	EACH
8390	OVERHEAD SIGN	0	EACH
8400	RAILROAD CROSSING	0	EACH
	PARK BOUNDARY	0	EACH

ROUTE MAINTENANCE FEATURES SUMMARY

Southwest: BIBE : 7130

ROUTE:109 : Boquillas Canyon Road

ICAP CODE	FEATURE	TOTAL	UNIT
1152	PULLOUT (PAVED)	0	EACH
1153	INTERSECTION	4	EACH
1190	TURNOUT (PASSING LANE)	0	LINEAR FEET
1320	PAVED DITCH	0	LINEAR FEET
1331	CULVERT	0	EACH
1333	DROP INLET	0	EACH
1340	CURB	0	LINEAR FEET
1530	TRAFFIC LIGHT	0	EACH
1540	GUARDRAIL	0	LINEAR FEET
1542	GUARD WALL	0	LINEAR FEET
1545	CATTLE GUARD	0	EACH
1720	BRIDGE	0	EACH
1740	TUNNEL	0	EACH
3361	RETAINING WALL	0	EACH
5833	LIGHT POLE	0	EACH
8390	OVERHEAD SIGN	0	EACH
8400	RAILROAD CROSSING	0	EACH
	PARK BOUNDARY	0	EACH

ROUTE MAINTENANCE FEATURES SUMMARY

Southwest: BIBE : 7130

ROUTE:113 : Burro Mesa Pourroff Road

ICAP CODE	FEATURE	TOTAL	UNIT
1152	PULLOUT (PAVED)	1	EACH
1153	INTERSECTION	0	EACH
1190	TURNOUT (PASSING LANE)	0	LINEAR FEET
1320	PAVED DITCH	0	LINEAR FEET
1331	CULVERT	10	EACH
1333	DROP INLET	0	EACH
1340	CURB	301	LINEAR FEET
1530	TRAFFIC LIGHT	0	EACH
1540	GUARDRAIL	0	LINEAR FEET
1542	GUARD WALL	0	LINEAR FEET
1545	CATTLE GUARD	0	EACH
1720	BRIDGE	0	EACH
1740	TUNNEL	0	EACH
3361	RETAINING WALL	0	EACH
5833	LIGHT POLE	0	EACH
8390	OVERHEAD SIGN	0	EACH
8400	RAILROAD CROSSING	0	EACH
	PARK BOUNDARY	0	EACH

ROUTE MAINTENANCE FEATURES SUMMARY

Southwest: BIBE : 7130

ROUTE:114 : Mule Ears Overlook Road

ICAP CODE	FEATURE	TOTAL	UNIT
1152	PULLOUT (PAVED)	0	EACH
1153	INTERSECTION	0	EACH
1190	TURNOUT (PASSING LANE)	0	LINEAR FEET
1320	PAVED DITCH	0	LINEAR FEET
1331	CULVERT	4	EACH
1333	DROP INLET	0	EACH
1340	CURB	0	LINEAR FEET
1530	TRAFFIC LIGHT	0	EACH
1540	GUARDRAIL	0	LINEAR FEET
1542	GUARD WALL	0	LINEAR FEET
1545	CATTLE GUARD	0	EACH
1720	BRIDGE	0	EACH
1740	TUNNEL	0	EACH
3361	RETAINING WALL	0	EACH
5833	LIGHT POLE	0	EACH
8390	OVERHEAD SIGN	0	EACH
8400	RAILROAD CROSSING	0	EACH
	PARK BOUNDARY	0	EACH

ROUTE MAINTENANCE FEATURES SUMMARY

Southwest: BIBE : 7130

ROUTE:201 : Rio Grande Village Road

ICAP CODE	FEATURE	TOTAL	UNIT
1152	PULLOUT (PAVED)	1	EACH
1153	INTERSECTION	10	EACH
1190	TURNOUT (PASSING LANE)	0	LINEAR FEET
1320	PAVED DITCH	0	LINEAR FEET
1331	CULVERT	0	EACH
1333	DROP INLET	0	EACH
1340	CURB	0	LINEAR FEET
1530	TRAFFIC LIGHT	0	EACH
1540	GUARDRAIL	0	LINEAR FEET
1542	GUARD WALL	0	LINEAR FEET
1545	CATTLE GUARD	0	EACH
1720	BRIDGE	0	EACH
1740	TUNNEL	0	EACH
3361	RETAINING WALL	0	EACH
5833	LIGHT POLE	0	EACH
8390	OVERHEAD SIGN	0	EACH
8400	RAILROAD CROSSING	0	EACH
	PARK BOUNDARY	0	EACH

ROUTE MAINTENANCE FEATURES SUMMARY

Southwest: BIBE : 7130

ROUTE:203 : Rio Grande Village Campground

ICAP CODE	FEATURE	TOTAL	UNIT
1152	PULLOUT (PAVED)	1	EACH
1153	INTERSECTION	0	EACH
1190	TURNOUT (PASSING LANE)	0	LINEAR FEET
1320	PAVED DITCH	0	LINEAR FEET
1331	CULVERT	0	EACH
1333	DROP INLET	0	EACH
1340	CURB	0	LINEAR FEET
1530	TRAFFIC LIGHT	0	EACH
1540	GUARDRAIL	0	LINEAR FEET
1542	GUARD WALL	0	LINEAR FEET
1545	CATTLE GUARD	0	EACH
1720	BRIDGE	0	EACH
1740	TUNNEL	0	EACH
3361	RETAINING WALL	0	EACH
5833	LIGHT POLE	0	EACH
8390	OVERHEAD SIGN	0	EACH
8400	RAILROAD CROSSING	0	EACH
	PARK BOUNDARY	0	EACH

ROUTE MAINTENANCE FEATURES SUMMARY

Southwest: BIBE : 7130

ROUTE:206 : Lower Basin Campground Road

ICAP CODE	FEATURE	TOTAL	UNIT
1152	PULLOUT (PAVED)	0	EACH
1153	INTERSECTION	5	EACH
1190	TURNOUT (PASSING LANE)	0	LINEAR FEET
1320	PAVED DITCH	0	LINEAR FEET
1331	CULVERT	4	EACH
1333	DROP INLET	0	EACH
1340	CURB	670	LINEAR FEET
1530	TRAFFIC LIGHT	0	EACH
1540	GUARDRAIL	0	LINEAR FEET
1542	GUARD WALL	0	LINEAR FEET
1545	CATTLE GUARD	0	EACH
1720	BRIDGE	0	EACH
1740	TUNNEL	0	EACH
3361	RETAINING WALL	0	EACH
5833	LIGHT POLE	0	EACH
8390	OVERHEAD SIGN	0	EACH
8400	RAILROAD CROSSING	0	EACH
	PARK BOUNDARY	0	EACH

ROUTE MAINTENANCE FEATURES SUMMARY

Southwest: BIBE : 7130

ROUTE:233 : Class A Campground

ICAP CODE	FEATURE	TOTAL	UNIT
1152	PULLOUT (PAVED)	0	EACH
1153	INTERSECTION	4	EACH
1190	TURNOUT (PASSING LANE)	0	LINEAR FEET
1320	PAVED DITCH	0	LINEAR FEET
1331	CULVERT	0	EACH
1333	DROP INLET	0	EACH
1340	CURB	0	LINEAR FEET
1530	TRAFFIC LIGHT	0	EACH
1540	GUARDRAIL	0	LINEAR FEET
1542	GUARD WALL	0	LINEAR FEET
1545	CATTLE GUARD	0	EACH
1720	BRIDGE	0	EACH
1740	TUNNEL	0	EACH
3361	RETAINING WALL	0	EACH
5833	LIGHT POLE	0	EACH
8390	OVERHEAD SIGN	0	EACH
8400	RAILROAD CROSSING	0	EACH
	PARK BOUNDARY	0	EACH

ROUTE MAINTENANCE FEATURES SUMMARY

Southwest: BIBE : 7130

ROUTE:426 : Castolon Ranger Residence Road

ICAP CODE	FEATURE	TOTAL	UNIT
1152	PULLOUT (PAVED)	0	EACH
1153	INTERSECTION	2	EACH
1190	TURNOUT (PASSING LANE)	0	LINEAR FEET
1320	PAVED DITCH	0	LINEAR FEET
1331	CULVERT	5	EACH
1333	DROP INLET	0	EACH
1340	CURB	0	LINEAR FEET
1530	TRAFFIC LIGHT	0	EACH
1540	GUARDRAIL	0	LINEAR FEET
1542	GUARD WALL	0	LINEAR FEET
1545	CATTLE GUARD	0	EACH
1720	BRIDGE	0	EACH
1740	TUNNEL	0	EACH
3361	RETAINING WALL	0	EACH
5833	LIGHT POLE	0	EACH
8390	OVERHEAD SIGN	0	EACH
8400	RAILROAD CROSSING	0	EACH
	PARK BOUNDARY	0	EACH

ROUTE MAINTENANCE FEATURES SUMMARY

Southwest: BIBE : 7130

ROUTE:428 : Alasate Avenue

ICAP CODE	FEATURE	TOTAL	UNIT
1152	PULLOUT (PAVED)	0	EACH
1153	INTERSECTION	5	EACH
1190	TURNOUT (PASSING LANE)	0	LINEAR FEET
1320	PAVED DITCH	0	LINEAR FEET
1331	CULVERT	2	EACH
1333	DROP INLET	0	EACH
1340	CURB	0	LINEAR FEET
1530	TRAFFIC LIGHT	0	EACH
1540	GUARDRAIL	0	LINEAR FEET
1542	GUARD WALL	0	LINEAR FEET
1545	CATTLE GUARD	0	EACH
1720	BRIDGE	0	EACH
1740	TUNNEL	0	EACH
3361	RETAINING WALL	0	EACH
5833	LIGHT POLE	0	EACH
8390	OVERHEAD SIGN	0	EACH
8400	RAILROAD CROSSING	0	EACH
	PARK BOUNDARY	0	EACH

ROUTE MAINTENANCE FEATURES SUMMARY

Southwest: BIBE : 7130

ROUTE:429 : Bobcat Loop

ICAP CODE	FEATURE	TOTAL	UNIT
1152	PULLOUT (PAVED)	0	EACH
1153	INTERSECTION	1	EACH
1190	TURNOUT (PASSING LANE)	0	LINEAR FEET
1320	PAVED DITCH	0	LINEAR FEET
1331	CULVERT	0	EACH
1333	DROP INLET	0	EACH
1340	CURB	0	LINEAR FEET
1530	TRAFFIC LIGHT	0	EACH
1540	GUARDRAIL	0	LINEAR FEET
1542	GUARD WALL	0	LINEAR FEET
1545	CATTLE GUARD	0	EACH
1720	BRIDGE	0	EACH
1740	TUNNEL	0	EACH
3361	RETAINING WALL	0	EACH
5833	LIGHT POLE	0	EACH
8390	OVERHEAD SIGN	0	EACH
8400	RAILROAD CROSSING	0	EACH
	PARK BOUNDARY	0	EACH

ROUTE MAINTENANCE FEATURES SUMMARY

Southwest: BIBE : 7130

ROUTE:436 : Nolina Drive

ICAP CODE	FEATURE	TOTAL	UNIT
1152	PULLOUT (PAVED)	0	EACH
1153	INTERSECTION	4	EACH
1190	TURNOUT (PASSING LANE)	0	LINEAR FEET
1320	PAVED DITCH	0	LINEAR FEET
1331	CULVERT	0	EACH
1333	DROP INLET	0	EACH
1340	CURB	0	LINEAR FEET
1530	TRAFFIC LIGHT	0	EACH
1540	GUARDRAIL	0	LINEAR FEET
1542	GUARD WALL	0	LINEAR FEET
1545	CATTLE GUARD	0	EACH
1720	BRIDGE	0	EACH
1740	TUNNEL	0	EACH
3361	RETAINING WALL	0	EACH
5833	LIGHT POLE	0	EACH
8390	OVERHEAD SIGN	0	EACH
8400	RAILROAD CROSSING	0	EACH
	PARK BOUNDARY	0	EACH

ROUTE MAINTENANCE FEATURES SUMMARY

Southwest: BIBE : 7130

ROUTE:440 : Panther Canyon Drive

ICAP CODE	FEATURE	TOTAL	UNIT
1152	PULLOUT (PAVED)	0	EACH
1153	INTERSECTION	0	EACH
1190	TURNOUT (PASSING LANE)	0	LINEAR FEET
1320	PAVED DITCH	0	LINEAR FEET
1331	CULVERT	1	EACH
1333	DROP INLET	0	EACH
1340	CURB	0	LINEAR FEET
1530	TRAFFIC LIGHT	0	EACH
1540	GUARDRAIL	0	LINEAR FEET
1542	GUARD WALL	0	LINEAR FEET
1545	CATTLE GUARD	0	EACH
1720	BRIDGE	0	EACH
1740	TUNNEL	0	EACH
3361	RETAINING WALL	0	EACH
5833	LIGHT POLE	0	EACH
8390	OVERHEAD SIGN	0	EACH
8400	RAILROAD CROSSING	0	EACH
	PARK BOUNDARY	0	EACH

ROUTE MAINTENANCE FEATURES ROAD LOG

ROUTE 011

North Entrance Road

MILE POST BEGIN END	FEATURE DESCRIPTION LEFT	FEATURE DESCRIPTION RIGHT	REMARKS
0.000 0.000			Begin at intersection of Rtes 012 & 013
0.149 0.000		Culvert	
0.853 0.000		Culvert	
1.063 0.000	Intersection		Lone Mtn Road
1.610 0.000		Culvert	
3.910 0.000		Pullout	
4.750 0.000		Intersection	Hannold Draw (Rte 200)
4.983 5.192	Ditch		
5.209 0.000		Culvert	
5.460 0.000		Culvert	
5.609 0.000		Culvert	
6.121 0.000		Culvert	
6.144 0.000	Culvert		
6.247 0.000		Culvert	
6.561 0.000		Culvert	
6.900 0.000		Culvert	
7.741 0.000	Intersection		Unpaved Route
7.811 7.995		Bridge	
7.804 8.018	Bridge		
8.092 0.000		Intersection	Fossil Bone (Rte 103)
8.216 0.000		Culvert	
8.244 0.000	Culvert		
8.270 0.000	Pullout		
8.461 0.000		Culvert	
8.468 0.000	Culvert		
8.584 0.000		Culvert	
8.617 0.000	Culvert		
8.704 0.000		Culvert	
8.738 0.000	Culvert		
8.861 0.000		Culvert	
8.888 0.000	Culvert		
9.089 0.000		Culvert	
9.115 0.000	Culvert		
9.587 0.000		Culvert	
9.620 0.000	Culvert		
9.810 0.000	Culvert		
9.898 0.000		Culvert	
9.930 0.000	Culvert		
10.355 0.000		Culvert	
10.388 0.000	Culvert		
10.864 0.000		Culvert	
10.905 0.000	Culvert		
11.724 0.000		Culvert	
11.759 0.000	Culvert		
12.217 0.000		Culvert	

ROUTE MAINTENANCE FEATURES ROAD LOG

ROUTE 011

North Entrance Road

MILE POST BEGIN END	FEATURE DESCRIPTION LEFT	FEATURE DESCRIPTION RIGHT	REMARKS
12.242 0.000	Culvert		
12.331 0.000		Culvert	
12.360 0.000	Culvert		
12.521 0.000	Intersection		Rosillos Road (Rte 401)
12.688 0.000		Intersection	Dagger Flats (Rte 101)
12.892 0.000		Culvert	
12.907 0.000	Culvert		
13.141 0.000		Culvert	
13.165 0.000	Culvert		
13.314 0.000		Culvert	
13.339 0.000	Culvert		
13.476 0.000		Culvert	
13.499 0.000	Culvert		
13.581 0.000		Culvert	
13.604 0.000	Culvert		
13.862 0.000		Culvert	
13.889 0.000	Culvert		
13.893 0.000		Culvert	
13.918 0.000	Culvert		
14.076 0.000		Culvert	
14.102 0.000	Culvert		
14.196 0.000		Culvert	
14.219 0.000	Culvert		
14.242 0.000		Culvert	
14.268 0.000	Culvert		
14.298 0.000		Culvert	
14.324 0.000	Culvert		
14.353 0.000		Culvert	
14.381 0.000	Culvert		
14.414 0.000		Culvert	
14.440 0.000	Culvert		
14.559 0.000		Culvert	
14.574 0.000	Culvert		
14.639 0.000		Culvert	
14.664 0.000	Culvert		
14.896 0.000		Culvert	
14.920 0.000	Culvert		
14.944 0.000		Culvert	
14.969 0.000	Culvert		
15.266 0.000		Culvert	
15.308 0.000	Culvert		
15.557 0.000	Culvert		
15.676 0.000	Culvert		
15.767 0.000		Culvert	
15.793 0.000	Culvert		

ROUTE MAINTENANCE FEATURES ROAD LOG

ROUTE 011

North Entrance Road

MILE POST BEGIN END	FEATURE DESCRIPTION LEFT	FEATURE DESCRIPTION RIGHT	REMARKS
15.863 0.000		Culvert	
15.898 0.000	Culvert		
16.010 0.000		Culvert	
16.040 0.000	Culvert		
16.060 0.000		Culvert	
16.085 0.000	Culvert		
16.253 0.000		Culvert	
16.280 0.000	Culvert		
16.455 0.000		Culvert	
16.485 0.000	Culvert		
16.624 0.000		Culvert	
16.651 0.000	Culvert		
16.919 0.000		Culvert	
16.944 0.000	Culvert		
16.980 0.000		Culvert	
17.006 0.000	Culvert		
17.166 0.000		Culvert	
17.186 0.000	Culvert		
17.588 0.000		Culvert	
17.617 0.000	Culvert		
17.767 0.000		Culvert	
17.801 0.000	Culvert		
17.880 0.000		Culvert	
17.909 0.000	Culvert		
18.002 0.000		Culvert	
18.032 0.000	Culvert		
18.096 0.000		Culvert	
18.128 0.000	Culvert		
18.368 0.000		Culvert	
18.373 0.000	Culvert		
18.732 0.000		Culvert	
18.767 0.000	Culvert		
19.043 0.000		Culvert	
19.070 0.000	Culvert		
19.170 0.000		Culvert	
19.200 0.000	Culvert		
19.334 0.000		Culvert	
19.363 0.000	Culvert		
19.516 0.000		Culvert	
19.552 0.000	Culvert		
19.583 0.000		Culvert	
19.614 0.000	Culvert		
20.975 21.000		Bridge	
21.002 21.022	Bridge		
21.041 0.000	Pullout		

ROUTE MAINTENANCE FEATURES ROAD LOG

ROUTE 011

North Entrance Road

MILE POST BEGIN END	FEATURE DESCRIPTION LEFT	FEATURE DESCRIPTION RIGHT	REMARKS
21.457 0.000		Culvert	
21.498 0.000	Culvert		
21.614 0.000		Intersection	Nine Point Draw
21.925 0.000	Intersection		Old Marathon Road (Rte 100)
22.205 22.234		Bridge	
22.234 22.261	Bridge		
22.548 0.000		Culvert	
22.581 0.000		Pullout	
22.588 0.000	Culvert		
23.821 0.000		Culvert	
23.847 0.000	Culvert		
23.948 0.000		Culvert	
23.982 0.000	Culvert		
24.096 24.168		Curb	
24.105 0.000	Culvert		
24.111 24.188	Curb		
24.177 0.000		Culvert	
24.207 0.000	Culvert		
24.358 0.000		Culvert	
24.393 0.000	Culvert		
24.415 0.000		Culvert	
24.449 0.000	Culvert		
24.452 0.000		Culvert	
24.485 0.000	Culvert		
24.655 0.000		Culvert	
24.687 0.000	Culvert		
24.837 0.000		Culvert	
24.868 0.000	Culvert		
24.964 0.000		Culvert	
24.992 0.000	Culvert		
25.084 0.000		Culvert	
25.116 0.000	Culvert		
25.336 0.000		Culvert	
25.365 0.000	Culvert		
25.603 0.000		Culvert	
25.632 0.000	Culvert		
25.889 0.000	Intersection		Persimmon Gap Ranch Rd (Rte 400)
25.965 0.000	Intersection		Persimmon Gap Ranger Station
25.980 26.043	Turnout		
26.009 0.000		Culvert	
26.078 26.115	Curb		
26.251 0.000		Culvert	
26.277 0.000	Culvert		
26.707 0.000		Culvert	
26.738 0.000	Culvert		

ROUTE MAINTENANCE FEATURES ROAD LOG

ROUTE 011

North Entrance Road

MILE POST BEGIN END		FEATURE DESCRIPTION LEFT	FEATURE DESCRIPTION RIGHT	REMARKS
27.256	0.000		Culvert	
27.289	0.000	Culvert		
27.417	0.000		Culvert	
27.445	0.000	Culvert		
27.515	0.000	Pullout		
27.527	0.000		Pullout	
27.530	0.000		Boundary	End @ state maintenance
27.533	0.000	Boundary		End @ state maintenance

ROUTE MAINTENANCE FEATURES ROAD LOG

ROUTE 012

Rio Grande Road

MILE POST BEGIN END		FEATURE DESCRIPTION LEFT	FEATURE DESCRIPTION RIGHT	REMARKS
0.000	0.000			Begin at intersection of Rtes 011 & 013
0.005	0.000		Intersection	Residence Road (Rte 402)
0.084	0.000		Intersection	Residence Road (Rte 402)
0.095	0.000		Culvert	
0.246	0.000	Intersection		Service Road
0.272	0.000	Culvert		
0.282	0.000		Culvert	
0.341	0.000		Culvert	
0.538	0.000		Culvert	
0.679	0.000	Culvert		
0.702	0.000		Culvert	
0.846	0.000	Culvert		
0.869	0.000		Culvert	
1.152	0.000	Culvert		
1.190	0.000		Culvert	
1.239	0.000	Culvert		
1.353	0.000	Culvert		
1.437	0.000	Culvert		
1.576	0.000		Culvert	
1.688	0.000	Culvert		
1.713	0.000		Culvert	
1.800	0.000		Culvert	
1.878	0.000	Intersection		K-Bar Ranch Road (Rte 404)
1.966	0.000		Culvert	
2.165	0.000	Culvert		
2.193	0.000		Culvert	
2.370	0.000	Culvert		
2.456	0.000	Culvert		
2.491	0.000		Culvert	
2.545	0.000	Culvert		
2.581	0.000		Culvert	
2.706	0.000	Culvert		
2.715	0.000		Culvert	
2.757	0.000	Culvert		
2.787	0.000		Culvert	
2.824	0.000	Culvert		
2.896	0.000	Culvert		
2.944	0.000	Culvert		
2.997	0.000		Culvert	
3.222	0.000	Culvert		
3.239	0.000		Culvert	
3.321	0.000	Culvert		
3.364	0.000		Culvert	
3.714	0.000	Culvert		
3.747	0.000		Culvert	

ROUTE MAINTENANCE FEATURES ROAD LOG

ROUTE 012

Rio Grande Road

MILE POST BEGIN END	FEATURE DESCRIPTION LEFT	FEATURE DESCRIPTION RIGHT	REMARKS
3.863 0.000	Culvert		
3.894 0.000		Culvert	
3.953 0.000	Culvert		
3.981 0.000		Culvert	
4.024 0.000	Culvert		
4.057 0.000		Culvert	
4.210 0.000		Culvert	
4.457 0.000		Culvert	
4.592 0.000		Culvert	
4.743 0.000		Culvert	
4.869 0.000		Culvert	
4.938 0.000		Culvert	
4.997 0.000		Intersection	
5.392 0.000		Intersection	Glenn Springs (Rte 104)
6.360 0.000	Intersection		Dugout Wells (Rte 105)
6.368 0.000		Culvert	
15.194 0.000	Culvert		
15.640 0.000		Intersection	River Patrol Road (Rte 106)
16.019 16.223	Bridge		
16.029 16.236		Bridge	
16.826 0.000		Intersection	Hot Springs Road (Rte 107)
16.854 0.000	Culvert		
17.068 0.000	Culvert		
17.122 0.000		Culvert	
17.128 0.000	Culvert		
17.874 0.000	Intersection		Old Ore Road (Rte 102)
17.998 0.000		Culvert	
18.044 0.000		Culvert	
18.934 18.436	Ditch		
18.445 0.000		Pullout	
18.450 0.000	Drop inlet		
18.521 18.579	Tunnel		
18.535 18.591		Tunnel	
18.630 0.000		Intersection	Rio Grande Overlook (Rte 900)
18.929 0.000		Culvert	
19.126 0.000		Culvert	
19.314 0.000	Intersection		Boquillas Canyon Road (Rte 109)
19.731 0.000	Intersection		Rio Grande Residence Rd (Rte 405)
20.145 0.000		Intersection	Rio Grande Visitor Center (Rte 906)
20.232 0.000		Intersection	Rio Grande Visitor Center (Rte 906)
20.320 0.000			End at stop sign (Rte 201)

ROUTE MAINTENANCE FEATURES ROAD LOG

ROUTE 013

West Entrance Road

MILE POST BEGIN END	FEATURE DESCRIPTION LEFT	FEATURE DESCRIPTION RIGHT	REMARKS
0.000 0.000			Begin @ intersection of Rtes 011 & 012
0.031 0.000	Intersection		Panther Junction Visitor Center
0.113 0.000	Culvert		
0.153 0.187	Turnout		
0.155 0.000		Culvert	
0.170 0.000		Pullout	
0.217 0.000	Culvert		
0.245 0.000		Culvert	
0.479 0.000	Culvert		
0.592 0.000	Culvert		
0.680 0.000		Culvert	
0.762 0.000	Culvert		
0.774 0.000		Culvert	
0.956 0.000	Culvert		
0.977 0.000		Culvert	
0.982 0.000	Culvert		
1.127 0.000		Culvert	
1.129 0.000	Culvert		
1.158 0.000		Culvert	
1.242 0.000	Culvert		
1.261 0.000		Culvert	
1.355 0.000		Culvert	
1.404 0.000		Culvert	
1.514 0.000		Culvert	
1.976 0.000	Culvert		
2.081 0.000	Culvert		
2.215 0.000	Culvert		
2.235 0.000		Culvert	
2.425 0.000	Culvert		
2.454 0.000		Culvert	
2.472 0.000		Pullout	
2.518 0.000	Culvert		
2.536 0.000		Culvert	
2.612 0.000	Culvert		
2.631 0.000		Culvert	
2.671 0.000		Culvert	
2.729 0.000	Culvert		
2.758 0.000		Culvert	
2.804 0.000	Culvert		
2.835 0.000		Culvert	
2.898 0.000	Pullout		
2.895 0.000		Culvert	
2.949 0.000	Culvert		
2.958 0.000		Culvert	
3.065 0.000	Culvert		

ROUTE MAINTENANCE FEATURES ROAD LOG

ROUTE 013

West Entrance Road

MILE POST BEGIN END	FEATURE DESCRIPTION LEFT	FEATURE DESCRIPTION RIGHT	REMARKS
3.125 0.000	Culvert		
3.149 0.000		Culvert	
3.154 0.000	Intersection		Chisos Basin Road (Rte 014)
3.175 0.000	Culvert		
3.207 0.000		Culvert	
3.245 0.000	Culvert		
3.290 0.000		Culvert	
3.479 0.000		Intersection	Grapevine Hills (Rte 111)
3.768 0.000	Culvert		
3.790 0.000		Culvert	
5.577 0.000	Culvert		
5.601 0.000		Culvert	
5.775 0.000	Culvert		
5.794 0.000		Culvert	
5.822 0.000	Culvert		
5.843 0.000		Culvert	
5.889 0.000	Culvert		
5.907 0.000		Culvert	
6.068 0.000		Intersection	Paint Gap (Rte 207)
6.111 0.000	Culvert		
6.119 0.000		Culvert	
6.193 0.000	Culvert		
6.209 0.000		Culvert	
6.418 0.000	Culvert		
6.439 0.000		Culvert	
6.465 0.000		Pullout	
6.559 0.000	Culvert		
6.577 0.000		Culvert	
6.769 0.000	Culvert		
6.791 0.000		Culvert	
7.054 0.000	Culvert		
7.074 0.000		Culvert	
7.181 0.000	Culvert		
7.202 0.000		Culvert	
7.301 0.000	Culvert		
7.315 0.000		Culvert	
7.483 0.000	Culvert		
7.497 0.000		Culvert	
7.673 0.000	Culvert		
7.698 0.000		Culvert	
7.810 0.000	Culvert		
7.818 0.000		Culvert	
7.924 0.000	Culvert		
7.945 0.000		Culvert	
8.198 8.320	Ditch		

ROUTE MAINTENANCE FEATURES ROAD LOG

ROUTE 013

West Entrance Road

MILE POST BEGIN END		FEATURE DESCRIPTION LEFT	FEATURE DESCRIPTION RIGHT	REMARKS
8.250	8.400		Ditch	
8.330	8.560	Curb		
8.412	8.681		Curb	
8.461	0.000		Culvert	
8.595	0.000		Culvert	
8.832	0.000	Culvert		
8.906	0.000		Culvert	
9.142	0.000	Culvert		
9.163	0.000		Culvert	
9.221	0.000	Culvert		
9.244	0.000		Culvert	
9.256	0.000	Culvert		
9.279	0.000		Culvert	
9.317	0.000	Culvert		
9.342	0.000		Culvert	
9.371	0.000	Culvert		
9.396	0.000		Culvert	
9.423	0.000	Culvert		
9.447	0.000		Culvert	
9.663	0.000		Intersection	Croton Spring Road (Rte 208)
9.972	0.000	Culvert		
9.999	0.000		Culvert	
10.658	0.000	Culvert		
10.679	0.000		Culvert	
10.726	0.000	Culvert		
10.745	0.000		Culvert	
10.765	0.000		Culvert	
10.771	10.807	Curb		
10.829	0.000	Culvert		
10.848	0.000		Culvert	
10.902	0.000	Culvert		
10.927	0.000		Culvert	
10.994	0.000	Culvert		
11.020	0.000		Culvert	
11.062	0.000	Culvert		
11.113	0.000		Culvert	
11.151	0.000	Culvert		
11.167	0.000		Culvert	
11.248	11.287	Bridge		
11.267	11.305		Bridge	
11.462	0.000		Pullout	
11.772	0.000	Culvert		
11.798	0.000		Culvert	
11.816	0.000	Culvert		
11.845	0.000		Culvert	

ROUTE MAINTENANCE FEATURES ROAD LOG

ROUTE 013

West Entrance Road

MILE POST BEGIN END	FEATURE DESCRIPTION LEFT	FEATURE DESCRIPTION RIGHT	REMARKS
11.953 0.000	Culvert		
11.978 0.000		Culvert	
12.137 12.198	Curb		
12.228 0.000	Culvert		
12.256 0.000		Culvert	
12.364 0.000	Culvert		
12.372 0.000		Culvert	
12.505 12.538	Curb		
12.558 0.000	Culvert		
12.573 0.000		Culvert	
12.690 0.000	Intersection		Ross Maxwell Scenic Drive (Rte 015)
12.728 0.000	Culvert		
12.750 0.000		Culvert	
12.820 12.892	Curb		
12.844 12.921		Curb	
13.030 0.000	Culvert		
13.036 0.000		Culvert	
13.374 13.413		Curb	
13.437 0.000	Culvert		
13.462 0.000		Culvert	
13.536 0.000	Culvert		
13.561 0.000		Culvert	
13.572 0.000	Culvert		
13.590 0.000	Culvert		
13.590 0.000		Culvert	
13.601 0.000		Culvert	
13.668 13.797	Curb		
13.686 13.836		Curb	
13.813 0.000	Culvert		
13.851 0.000		Culvert	
13.910 0.000	Culvert		
13.939 0.000		Culvert	
13.958 0.000	Culvert		
13.979 0.000	Culvert		
13.986 0.000		Culvert	
14.004 0.000		Culvert	
14.062 0.000	Drop inlet		
14.085 0.000		Culvert	
14.168 0.000	Culvert		
14.194 0.000		Culvert	
14.291 14.353	Curb		
14.396 14.447	Curb		
14.457 0.000	Culvert		
14.473 0.000		Culvert	
14.523 0.000		Pullout	

ROUTE MAINTENANCE FEATURES ROAD LOG

ROUTE 013

West Entrance Road

MILE POST BEGIN END		FEATURE DESCRIPTION LEFT	FEATURE DESCRIPTION RIGHT	REMARKS
14.733	0.000	Culvert		
14.758	0.000		Culvert	
14.791	14.927	Curb		
14.977	0.000	Culvert		
14.995	0.000		Culvert	
19.302	19.334	Curb		
19.319	0.000	Pullout		
20.706	20.750		Turnout	
20.783	0.000	Intersection		Old Maverick Road (Rte 115)
20.811	0.000	Intersection		into Kiosk Parking (Rte 914)
20.840	20.868	Curb		
20.870	0.000	Culvert		
20.879	0.000	Intersection		Contact Station Parking (Rte 915)
20.889	0.000		Culvert	
20.913	21.142	Curb		
20.927	21.087		Curb	
21.096	21.430		Curb	
21.348	21.421	Curb		
21.366	0.000	Culvert		
21.517	0.000	Culvert		
21.528	0.000	Culvert		
21.532	0.000		Culvert	
21.850	21.879	Curb		
21.870	0.000	Pullout		
21.914	0.000	Boundary		End at State Maintenance

ROUTE MAINTENANCE FEATURES ROAD LOG

ROUTE 014

Chisos Basin Road

MILE POST BEGIN END	FEATURE DESCRIPTION LEFT	FEATURE DESCRIPTION RIGHT	REMARKS
0.000 0.000			Begin at intersection of Rte 013
0.074 0.000	Culvert		
0.158 0.189		Turnout	
2.217 2.250		Curb	
2.234 0.000		Pullout	
2.284 0.000		Culvert	
2.912 0.000	Culvert		
2.948 0.000	Culvert		
2.953 0.000		Culvert	
2.980 0.000	Culvert		
3.012 0.000		Pullout	
3.080 0.000	Culvert		
3.087 0.000		Culvert	
3.214 0.000	Culvert		
3.217 0.000		Culvert	
3.231 0.000	Culvert		
3.255 0.000	Culvert		
3.295 0.000		Culvert	
3.329 0.000	Culvert		
3.731 3.759		Bridge	
3.734 3.757	Bridge		
4.153 0.000	Culvert		
4.154 0.000		Culvert	
4.230 0.000	Drop inlet		
4.232 0.000		Culvert	
4.234 0.000	Culvert		
4.242 4.284		Curb	
4.254 0.000		Pullout	
4.327 4.339	Bridge		
4.334 4.343		Bridge	
4.359 4.378		Bridge	
4.365 4.375	Bridge		
4.441 0.000		Culvert	
4.442 0.000	Culvert		
4.481 0.000	Culvert		
4.484 0.000		Culvert	
4.554 0.000	Culvert		
4.554 0.000		Culvert	
4.635 4.670	Bridge		
4.635 4.672		Bridge	
4.790 4.820	Bridge		
4.804 4.824		Bridge	
4.890 4.923		Curb	

ROUTE MAINTENANCE FEATURES ROAD LOG

ROUTE 014

Chisos Basin Road

MILE POST BEGIN END		FEATURE DESCRIPTION LEFT	FEATURE DESCRIPTION RIGHT	REMARKS
4.963	5.018		Curb	
4.985	0.000		Culvert	
5.040	5.084		Curb	
5.042	0.000	Culvert		
5.148	5.173	Curb		
5.194	0.000	Pullout		
5.177	5.199	Curb		
5.192	0.000	Pullout		
5.262	5.305		Curb	
5.339	5.351		Bridge	
5.341	5.351	Bridge		
5.365	5.376	Bridge		
5.374	5.386		Bridge	
5.424	0.000		Pullout	
5.436	5.765		Curb	
5.483	5.536	Curb		
5.569	0.000	Culvert		
5.612	0.000	Culvert		
5.703	0.000	Culvert		
5.715	0.000		Culvert	
5.796	0.000		Pullout	
5.834	0.000	Culvert		
6.013	0.000	Culvert		
6.054	0.000		Culvert	
6.058	0.000	Culvert		
6.165	0.000		Intersection	Lower Basin Campground Rd (Rte 206)
6.171	0.000		Culvert	
6.185	0.000	Culvert		
6.317	6.327	Curb		
6.326	0.000		Intersection	End at intersection of Rtes 918 & 919

ROUTE MAINTENANCE FEATURES ROAD LOG

ROUTE 015

Ross Maxwell Scenic Drive

MILE POST BEGIN END		FEATURE DESCRIPTION LEFT	FEATURE DESCRIPTION RIGHT	REMARKS
0.000	0.000			Begin at intersection of Rte 013
0.040	0.000	Culvert		
0.060	0.000		Culvert	
0.068	0.000	Culvert		
0.091	0.000	Culvert		
0.109	0.000		Culvert	
0.133	0.000	Culvert		
0.151	0.000		Culvert	
0.157	0.000	Culvert		
0.169	0.000		Culvert	
0.221	0.263	Ditch		
0.308	0.000	Culvert		
0.328	0.000	Culvert		
0.330	0.000		Culvert	
0.349	0.000		Culvert	
0.371	0.412	Curb		
0.395	0.000		Culvert	
0.400	0.438		Curb	
0.417	0.441	Ditch		
0.439	0.467		Ditch	
0.487	0.542	Ditch		
0.565	0.000	Culvert		
0.672	0.738	Curb		
0.690	0.747		Ditch	
0.710	0.000	Culvert		
0.719	0.000	Culvert		
0.925	0.000	Pullout		
1.079	0.000	Culvert		
1.392	0.000	Culvert		
1.460	0.000	Culvert		
1.463	0.000		Culvert	
1.500	0.000	Culvert		
1.525	0.000		Culvert	
1.616	0.000	Culvert		
1.631	1.690	Ditch		
1.720	0.000		Culvert	
1.726	1.760	Ditch		
1.728	0.000		Culvert	
1.737	0.000		Culvert	
1.748	0.000		Culvert	
1.941	0.000		Culvert	
1.968	0.000	Pullout		
2.941	0.000	Pullout		

ROUTE MAINTENANCE FEATURES ROAD LOG

ROUTE 015

Ross Maxwell Scenic Drive

MILE POST BEGIN END	FEATURE DESCRIPTION LEFT	FEATURE DESCRIPTION RIGHT	REMARKS
2.954 0.000		Culvert	
3.028 0.000	Pullout		
3.061 0.000	Culvert		
3.141 0.000	Culvert		
3.178 0.000	Culvert		
3.195 0.000		Culvert	
3.285 0.000	Intersection		Service Road
3.335 0.000		Pullout	
3.705 0.000	Culvert		
3.936 0.000		Culvert	
3.971 0.000	Culvert		
4.018 0.000		Culvert	
4.135 0.000	Pullout		
4.257 0.000	Culvert		
4.520 0.000		Culvert	
4.665 4.738		Ditch	
4.803 0.000	Pullout		
5.207 0.000	Culvert		
5.254 0.000	Culvert		
5.271 0.000		Culvert	
5.305 0.000	Culvert		
5.497 0.000	Culvert		
5.525 0.000	Pullout		
5.572 0.000	Culvert		
5.776 0.000	Culvert		
5.812 0.000		Culvert	
5.865 0.000	Culvert		
5.885 0.000	Culvert		
5.916 0.000		Culvert	
5.982 0.000	Culvert		
6.023 0.000	Culvert		
6.061 0.000		Culvert	
6.075 0.000	Culvert		
6.162 0.000	Culvert		
6.204 0.000	Culvert		
6.221 0.000	Culvert		
6.237 0.000		Culvert	
6.240 0.000	Culvert		
6.270 0.000		Culvert	
6.329 0.000	Culvert		
6.353 0.000		Culvert	
6.460 0.000	Culvert		
6.479 0.000		Culvert	

ROUTE MAINTENANCE FEATURES ROAD LOG

ROUTE 015

Ross Maxwell Scenic Drive

MILE POST BEGIN END	FEATURE DESCRIPTION LEFT	FEATURE DESCRIPTION RIGHT	REMARKS
6.516 6.844		Ditch	
6.637 0.000		Culvert	
6.728 6.732	Ditch		
6.907 6.987	Guardrail		
6.907 0.000		Pullout	
6.944 7.016		Guardrail	
6.948 0.000	Culvert		
7.020 7.227		Ditch	
7.061 7.128	Ditch		
7.145 0.000	Culvert		
7.191 0.000		Drop Inlet	
7.366 0.000	Pullout		
7.397 0.000	Culvert		
7.440 0.000		Culvert	
7.512 0.000	Culvert		
7.537 0.000	Culvert		
7.548 0.000		Culvert	
7.572 0.000		Culvert	
7.600 0.000	Culvert		
7.632 0.000		Culvert	
7.688 0.000		Culvert	
7.805 0.000		Culvert	
7.843 0.000		Culvert	
7.966 0.000	Culvert		
8.000 0.000		Culvert	
8.008 0.000	Culvert		
8.052 8.107	Curb		
8.052 0.000		Culvert	
8.109 0.000	Pullout		Blue Creek Overlook
8.174 0.000		Culvert	
8.301 0.000	Intersection		Soto Vista Overlook (Rte 112)
8.335 0.000		Pullout	
8.371 8.649		Ditch	
8.412 0.000	Culvert		
8.447 0.000		Drop Inlet	
8.535 0.000	Culvert		
8.568 0.000		Drop Inlet	
8.635 8.685	Guardrail		
8.645 0.000		Drop Inlet	
8.744 9.269		Ditch	
8.749 0.000	Culvert		
8.782 0.000		Drop Inlet	
8.845 0.000	Culvert		

ROUTE MAINTENANCE FEATURES ROAD LOG

ROUTE 015

Ross Maxwell Scenic Drive

MILE POST BEGIN END		FEATURE DESCRIPTION LEFT	FEATURE DESCRIPTION RIGHT	REMARKS
8.878	0.000		Drop Inlet	
8.900	0.000	Culvert		
8.933	0.000		Drop Inlet	
8.996	0.000	Culvert		
9.029	0.000		Drop Inlet	
9.048	0.000	Culvert		
9.081	0.000		Drop Inlet	
9.113	0.000	Culvert		
9.143	0.000		Drop Inlet	
9.217	9.253	Guardrail		
9.235	0.000	Culvert		
9.259	0.000	Pullout		
9.266	0.000		Drop Inlet	
9.270	9.380	Guardrail		
9.275	9.399		Ditch	
9.325	0.000	Culvert		
9.352	0.000		Drop Inlet	
9.396	0.000		Drop Inlet	
9.415	9.492		Ditch	
9.436	9.523	Guardrail		
9.472	0.000	Culvert		
9.494	9.552		Guardrail	
9.510	0.000	Culvert		
9.547	0.000		Culvert	
9.557	9.610		Ditch	
9.607	0.000		Drop Inlet	
9.624	0.000	Culvert		
9.641	0.000		Culvert	
9.746	0.000	Culvert		
9.771	0.000		Culvert	
10.078	0.000	Culvert		
10.112	0.000	Culvert		
10.315	0.000	Culvert		
10.364	0.000		Culvert	
10.680	0.000	Culvert		
11.580	0.000		Intersection	Burro Mesa Pouroff (Rte 113)
11.603	0.000	Culvert		
11.627	0.000		Culvert	
11.694	0.000		Culvert	
11.860	0.000	Culvert		
11.896	0.000		Culvert	
11.997	0.000	Culvert		
12.019	0.000		Culvert	

ROUTE MAINTENANCE FEATURES ROAD LOG

ROUTE 015

Ross Maxwell Scenic Drive

MILE POST BEGIN END		FEATURE DESCRIPTION LEFT	FEATURE DESCRIPTION RIGHT	REMARKS
12.148	0.000	Culvert		
12.167	0.000		Culvert	
12.363	12.389	Curb		
12.378	0.000	Culvert		
12.405	0.000		Culvert	
12.436	0.000	Culvert		
12.472	0.000		Culvert	
12.555	0.000	Culvert		
12.585	0.000		Culvert	
12.615	0.000		Culvert	
12.712	0.000	Culvert		
12.741	0.000		Culvert	
12.769	0.000		Pullout	Chimneys Trail Parking Area
12.815	0.000		Culvert	
12.882	0.000		Culvert	
12.901	0.000		Culvert	
13.014	0.000	Culvert		
13.048	0.000		Culvert	
13.101	0.000		Culvert	
13.115	0.000	Culvert		
13.135	0.000		Culvert	
13.203	0.000	Culvert		
13.237	0.000		Culvert	
13.267	0.000	Culvert		
13.284	13.333	Ditch		
13.307	0.000		Culvert	
13.332	0.000		Pullout	
13.351	13.419	Ditch		
13.357	13.687		Ditch	
13.376	0.000		Drop Inlet	
13.394	0.000	Drop inlet		
13.409	13.433	Curb		
13.434	13.514	Ditch		
13.438	0.000		Drop inlet	
13.502	13.538	Curb		
13.516	0.000	Drop inlet		
13.538	0.000		Drop Inlet	
13.550	13.578	Curb		
13.553	13.560	Ditch		
13.580	13.657	Ditch		
13.586	0.000		Drop Inlet	
13.716	0.000		Culvert	
13.754	0.000		Culvert	

ROUTE MAINTENANCE FEATURES ROAD LOG

ROUTE 015

Ross Maxwell Scenic Drive

MILE POST BEGIN END		FEATURE DESCRIPTION LEFT	FEATURE DESCRIPTION RIGHT	REMARKS
13.821	0.000	Culvert		
13.827	13.942		Curb	
13.951	0.000	Culvert		
14.054	0.000	Culvert		
14.078	0.000		Culvert	
14.114	0.000	Drop inlet		
14.120	14.150	Curb		
14.149	14.176		Curb	
14.169	0.000	Culvert		
14.185	0.000	Culvert		
14.235	14.294	Curb		
14.256	14.368		Curb	
14.315	0.000	Culvert		
14.370	0.000	Culvert		
14.373	14.467		Ditch	
14.436	0.000	Culvert		
14.472	14.535		Curb	
14.490	0.000	Culvert		
14.508	0.000	Culvert		
14.787	14.842	Curb		
14.794	0.000		Culvert	
14.816	0.000	Pullout		Goat Mountain Parking Area
14.951	0.000	Culvert		
14.984	0.000		Culvert	
15.128	0.000		Culvert	
15.262	0.000		Culvert	
15.335	0.000		Culvert	
15.455	0.000	Intersection		Mule Ears Parking Area (Rte 114)
15.590	0.000		Culvert	
15.767	0.000	Culvert		
15.789	15.877	Ditch		
15.907	15.965	Curb		
15.929	0.000		Culvert	
15.942	15.994		Curb	
15.973	16.000	Ditch		
15.999	0.000		Culvert	
16.007	16.086	Curb		
16.025	0.000		Culvert	
16.090	0.000	Drop Inlet		
16.048	16.104		Curb	
16.125	0.000		Culvert	
16.253	0.000	Culvert		
16.273	0.000	Culvert		

ROUTE MAINTENANCE FEATURES ROAD LOG

ROUTE 015

Ross Maxwell Scenic Drive

MILE POST BEGIN END		FEATURE DESCRIPTION LEFT	FEATURE DESCRIPTION RIGHT	REMARKS
16.275	0.000		Culvert	
16.311	0.000		Culvert	
16.422	16.486		Guardwall	
16.489	0.000	Culvert		
16.663	16.743	Ditch		
16.695	0.000		Culvert	
16.706	16.781		Ditch	
16.769	0.000	Culvert		
16.811	16.873	Curb		
16.833	16.893		Curb	
16.963	0.000	Culvert		
16.996	0.000	Culvert		
17.015	0.000		Culvert	
17.057	0.000	Culvert		
17.063	17.094		Curb	
17.077	0.000		Culvert	
17.187	0.000	Pullout		
17.294	17.344	Ditch		
17.313	17.369		Curb	
17.499	0.000	Culvert		
17.518	0.000		Culvert	
17.522	0.000		Culvert	
17.544	0.000	Culvert		
17.625	0.000		Culvert	
17.687	0.000	Drop inlet		
17.762	0.000		Pullout	
17.796	0.000		Culvert	
17.864	0.000	Culvert		
17.893	0.000		Culvert	
17.918	0.000	Culvert		
17.918	17.981		Curb	
17.933	0.000		Culvert	
17.972	0.000	Culvert		
18.003	0.000	Culvert		
18.218	0.000	Culvert		
18.250	0.000	Culvert		
18.484	0.000	Culvert		
18.686	0.000	Culvert		
18.707	0.000		Culvert	
18.731	0.000	Culvert		
18.777	0.000		Culvert	
18.817	0.000	Culvert		
18.839	0.000		Culvert	

ROUTE MAINTENANCE FEATURES ROAD LOG

ROUTE 015

Ross Maxwell Scenic Drive

MILE POST BEGIN END		FEATURE DESCRIPTION LEFT	FEATURE DESCRIPTION RIGHT	REMARKS
18.903	0.000	Culvert		
18.927	0.000		Culvert	
19.133	0.000	Culvert		
19.195	0.000		Culvert	
19.211	0.000	Culvert		
19.340	0.000	Culvert		
19.532	0.000		Culvert	
19.539	0.000	Culvert		
19.574	0.000	Culvert		
19.597	0.000		Culvert	
19.874	0.000		Pullout	
19.895	19.953		Ditch	
19.940	20.044	Ditch		
20.038	0.000	Drop Inlet		
20.081	20.115		Curb	
20.084	0.000	Culvert		
20.099	0.000		Culvert	
20.101	0.000	Drop Inlet		
20.137	0.000	Culvert		
20.159	0.000	Intersection		River Patrol Road (Rte 106)
20.167	0.000		Culvert	
20.271	0.000	Culvert		
20.303	0.000	Culvert		
20.325	0.000		Culvert	
20.331	0.000	Drop Inlet		
20.334	0.000	Drop Inlet		
20.357	0.000		Culvert	
20.374	0.000		Culvert	
20.400	0.000	Culvert		
20.426	0.000		Culvert	
20.429	20.478		Ditch	
20.457	0.000	Culvert		
20.480	20.522		Curb	
20.490	20.605		Guardrail	
20.698	0.000	Culvert		
20.746	0.000	Culvert		
20.794	0.000	Culvert		
20.880	0.000	Culvert		
20.966	0.000		Culvert	
21.068	0.000	Culvert		
21.068	0.000		Culvert	
21.209	0.000	Pullout		
21.339	0.000	Culvert		

ROUTE MAINTENANCE FEATURES ROAD LOG

ROUTE 015

Ross Maxwell Scenic Drive

MILE POST BEGIN END		FEATURE DESCRIPTION LEFT	FEATURE DESCRIPTION RIGHT	REMARKS
21.367	21.423		Curb	
21.371	0.000	Culvert		
21.396	0.000	Culvert		
21.487	0.000	Culvert		
21.517	0.000		Culvert	
21.531	0.000	Culvert		
21.544	0.000		Culvert	
21.551	0.000	Culvert		
21.574	0.000	Culvert		
21.593	0.000		Culvert	
21.671	21.709		Curb	
21.692	0.000		Culvert	
21.746	21.776	Curb		
21.755	0.000	Culvert		
21.765	0.000	Culvert		
21.768	0.000		Culvert	
21.783	0.000		Culvert	
21.828	21.984	Curb		
21.868	0.000		Culvert	
21.897	0.000		Intersection	Ranger Residence Road (Rte 426)
21.931	0.000		Culvert	
21.956	0.000	Pullout		
22.164	22.185		Curb	
22.384	22.643		Ditch	
22.516	0.000	Intersection		
22.526	22.574	Ditch		
22.588	0.000		Drop Inlet	
22.589	0.000	Culvert		
22.626	0.000	Culvert		
22.640	0.000		Culvert	
22.686	0.000	Culvert		
22.697	0.000	Intersection		
22.705	0.000		Culvert	
22.831	0.000	Culvert		
22.846	0.000		Culvert	
22.933	0.000	Culvert		
22.950	0.000		Culvert	
23.173	0.000		Culvert	
23.182	0.000	Intersection		
23.194	0.000		Intersection	
23.210	0.000	Culvert		
23.260	0.000			End at gate/pavement change

ROUTE MAINTENANCE FEATURES ROAD LOG

ROUTE 016

Santa Elena Canyon Road

MILE POST BEGIN END		FEATURE DESCRIPTION LEFT	FEATURE DESCRIPTION RIGHT	REMARKS
0.000	0.000			Begin at end of Rte 015-Gate/pvmt
0.326	0.000	Culvert		
0.408	0.000	Culvert		
0.414	0.000		Culvert	
0.449	0.000	Culvert		
0.461	0.000		Culvert	
0.715	0.000	Culvert		
0.737	0.000	Culvert		
0.751	0.000		Culvert	
0.881	0.937	Curb		
0.910	0.000	Pullout		
0.967	0.000	Culvert		
0.999	0.000		Culvert	
1.071	1.109		Curb	
1.093	0.000		Pullout	Desert Mountain Overlook Parking
1.189	0.000	Culvert		
1.199	0.000		Culvert	
1.232	0.000		Culvert	
1.233	0.000	Culvert		
1.250	0.000		Culvert	
1.323	1.380	Curb		
1.356	0.000	Pullout		
1.406	0.000	Culvert		
1.406	0.000		Culvert	
1.532	0.000	Culvert		
1.579	0.000	Culvert		
1.592	1.676	Ditch		
1.660	0.000		Culvert	
1.681	1.720		Ditch	
1.735	1.797		Ditch	
1.791	0.000	Culvert		
2.035	2.059		Ditch	
2.155	0.000	Culvert		
2.278	0.000	Culvert		
2.345	0.000	Culvert		
2.495	0.000		Culvert	
2.615	2.640	Bridge		
2.623	2.651		Bridge	
2.773	0.000	Culvert		
3.214	3.252	Curb		
3.230	0.000	Pullout		
3.354	0.000	Culvert		
3.364	0.000		Culvert	

ROUTE MAINTENANCE FEATURES ROAD LOG

ROUTE 016

Santa Elena Canyon Road

MILE POST BEGIN END		FEATURE DESCRIPTION LEFT	FEATURE DESCRIPTION RIGHT	REMARKS
3.486	0.000	Culvert		
3.493	0.000		Culvert	
4.084	0.000	Culvert		
4.093	0.000		Culvert	
4.386	4.421	Curb		
4.666	0.000	Culvert		
4.677	0.000		Culvert	
5.708	0.000	Intersection		Santa Elena River Access
5.907	5.957	Curb		
5.929	0.000	Pullout		
5.984	6.007	Ditch		
6.018	0.000	Culvert		
6.045	0.000	Culvert		
6.094	0.000	Culvert		
6.112	0.000		Culvert	
6.298	6.311		Ditch	
6.482	0.000		Culvert	
6.500	0.000	Culvert		
6.686	6.753		Ditch	
6.739	0.000	Culvert		
6.758	6.815		Ditch	
6.760	6.798	Ditch		
6.808	0.000	Intersection		Santa Elena Canyon Overlook
6.829	6.945	Ditch		
6.840	6.902		Ditch	
6.984	0.000	Culvert		
6.991	0.000		Intersection	Old Maverick Road (Rte 115)
7.076	0.000	Culvert		
7.080	0.000		Culvert	
7.092	0.000		Culvert	
7.124	0.000	Culvert		
7.206	0.000	Culvert		
7.560	0.000			End at Santa Elena Canyon Picnic Area

ROUTE MAINTENANCE FEATURES ROAD LOG

ROUTE 109

Boquillas Canyon Road

MILE POST BEGIN END		FEATURE DESCRIPTION LEFT	FEATURE DESCRIPTION RIGHT	REMARKS
0.000	0.000			Begin at Rte 012
1.384	0.000		Intersection	Rte 202
1.635	0.000		Intersection	Private Residence
2.398	0.000		Intersection	
2.711	0.000		Intersection	Boquillas Canyon Overlook (Rte 110)
3.600	0.000			End at Boquillas Canyon Trail (Rte 905)

ROUTE MAINTENANCE FEATURES ROAD LOG

ROUTE 110

Boquillas Canyon Overlook

MILE POST BEGIN END		FEATURE DESCRIPTION LEFT	FEATURE DESCRIPTION RIGHT	REMARKS
0.000	0.000			Begin at Rte 109
0.500	0.000		Intersection	Begin CCW loop
0.560	0.000		Intersection	End loop and Rte

ROUTE MAINTENANCE FEATURES ROAD LOG

ROUTE 113

Burro Mesa Pouroff

MILE POST BEGIN END		FEATURE DESCRIPTION LEFT	FEATURE DESCRIPTION RIGHT	REMARKS
0.000	0.000			Begin at Rte 015
0.430	0.000	Culvert		
0.443	0.000		Culvert	
0.516	0.000	Culvert		
0.523	0.000		Culvert	
0.671	0.000	Culvert		
0.778	0.000	Culvert		
0.796	0.000	Culvert		
1.024	0.000	Culvert		
1.052	1.109	Curb		
1.082	0.000	Pullout		
1.601	0.000	Culvert		
1.688	0.000	Culvert		
1.740	0.000			End at beginning of loop (Rte 927)

ROUTE MAINTENANCE FEATURES ROAD LOG

ROUTE 114

Mule Ears Overlook Road

MILE POST BEGIN END		FEATURE DESCRIPTION LEFT	FEATURE DESCRIPTION RIGHT	REMARKS
0.000	0.000			Begin at Rte 015
0.120	0.000		Culvert	
0.144	0.000		Culvert	
0.232	0.000		Culvert	
0.265	0.000		Culvert	
0.440	0.000			End at beginning of loop (Rte 930)

ROUTE MAINTENANCE FEATURES ROAD LOG

ROUTE 201

Rio Grande Village Road

MILE POST BEGIN END		FEATURE DESCRIPTION LEFT	FEATURE DESCRIPTION RIGHT	REMARKS
0.000	0.000			Begin at Rio Grande Picnic Area
0.166	0.000		Intersection	
0.522	0.000		Intersection	Rio Grande Trailer Parking (Rte 908)
0.628	0.000		Intersection	Rio Grande Store Parking (Rte 909)
0.681	0.000		Intersection	Rio Grande Store Parking (Rte 909)
0.681	0.000	Intersection		Rte 012
0.704	0.000		Intersection	Rio Grande Store Parking (Rte 909)
0.911	0.000		Intersection	Rio Grande Ampitheater (Rte 910)
0.988	0.000		Intersection	Rio Grande Village C.G. (Rte 203)
1.107	0.000		Intersection	Rio Grande Village C.G. (Rte 203)
1.212	0.000		Intersection	Unpaved road
1.340	0.000		Intersection	Begin clockwise loop
1.421	0.000	Intersection		Rte 411
1.580	0.000			End at end of loop

ROUTE MAINTENANCE FEATURES ROAD LOG

ROUTE 206

Lower Basin Campground

MILE POST BEGIN END		FEATURE DESCRIPTION LEFT	FEATURE DESCRIPTION RIGHT	REMARKS
0.000	0.000			Begin at Rte 014
0.037	0.066	Curb		
0.051	0.000	Culvert		
0.110	0.208	Curb		
0.357	0.000	Culvert		
0.383	0.000		Intersection	Class A campground (Rte 233)
0.409	0.000	Intersection		Amphitheater parking (Rte 923)
0.410	0.000		Intersection	Class A campground (Rte 233)
0.462	0.000	Intersection		Amphitheater parking (Rte 923)
0.491	0.000	Culvert		
0.515	0.000	Culvert		
0.608	0.000		Intersection	Basin Group Campground (Rte 234)
0.620	0.000			End at end of yellow stripe

PHOTOGRAPHIC SHEET

PARK NUMBER: 7130
ROUTE NUMBER: 011
DATE: 1/99

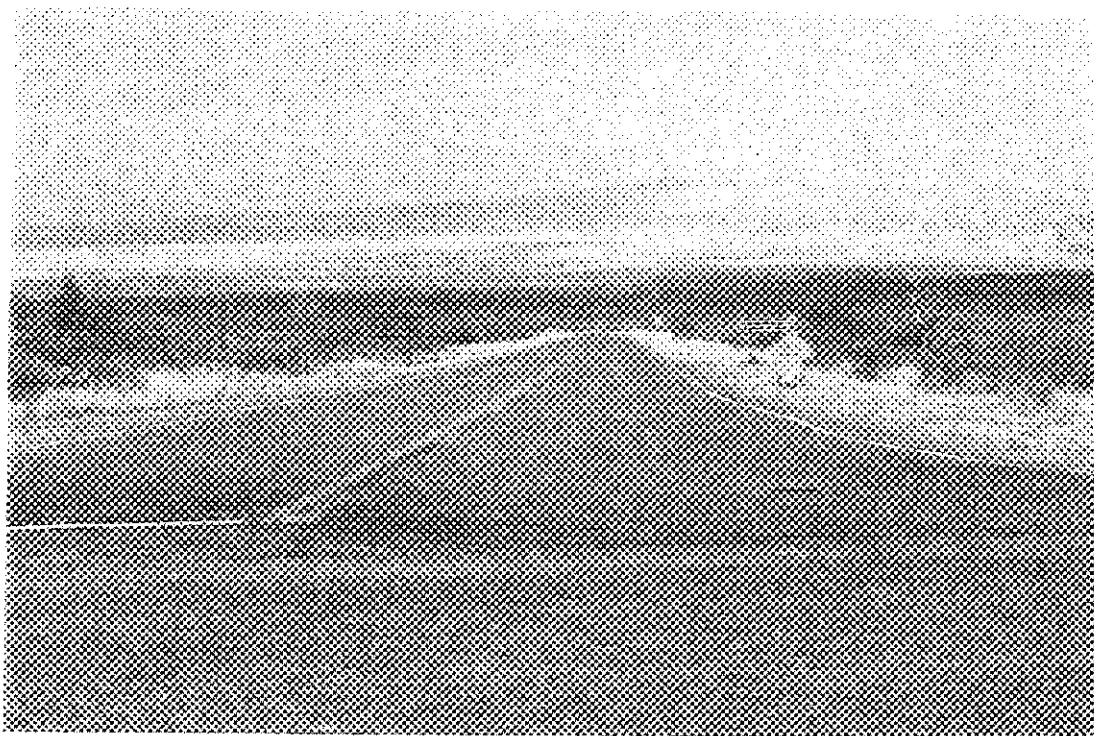


Photo #1888 - MP 0.00 - Begin route at Panther Junction, typical pavement section

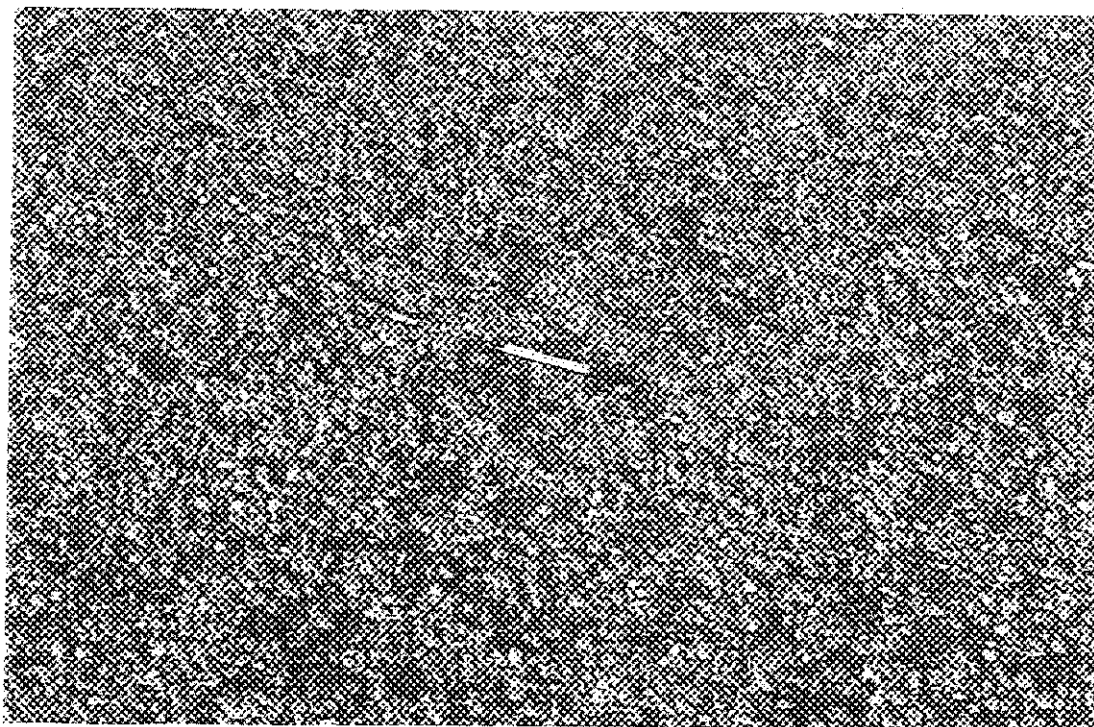


Photo #1889 - MP 0.50 - Raveling of chip seal

PHOTOGRAPHIC SHEET

PARK NUMBER: 7130
ROUTE NUMBER: 011
DATE: 1/99

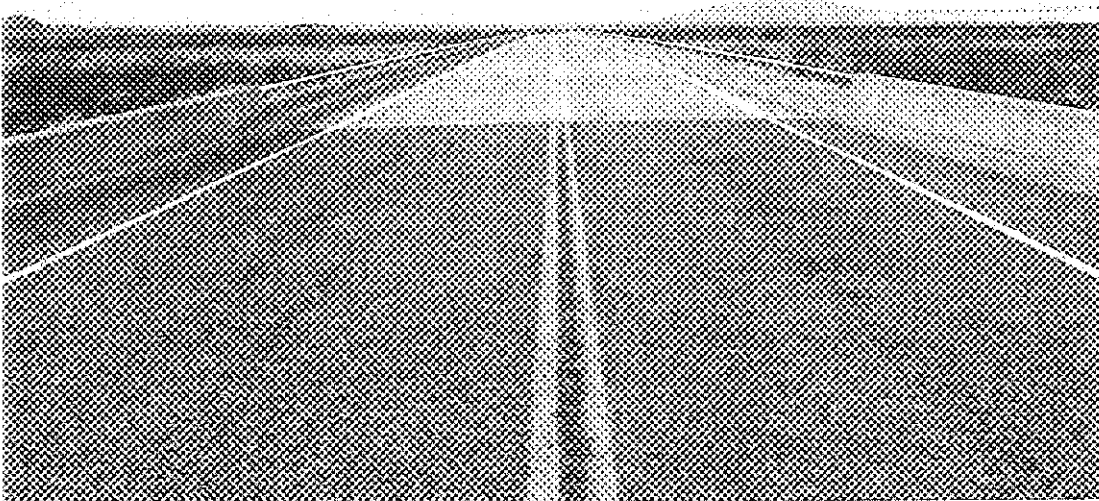


Photo #1890 - MP 7.80 - Typical pavement section

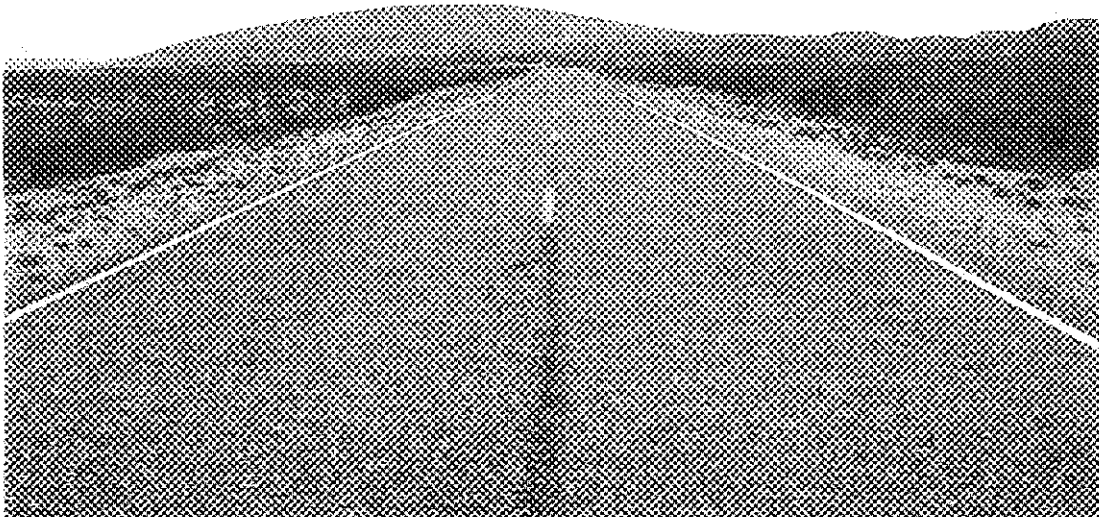


Photo #1891 - MP 14.00 - Typical pavement section

PHOTOGRAPHIC SHEET

PARK NUMBER: 7130
ROUTE NUMBER: 012
DATE: 1/99

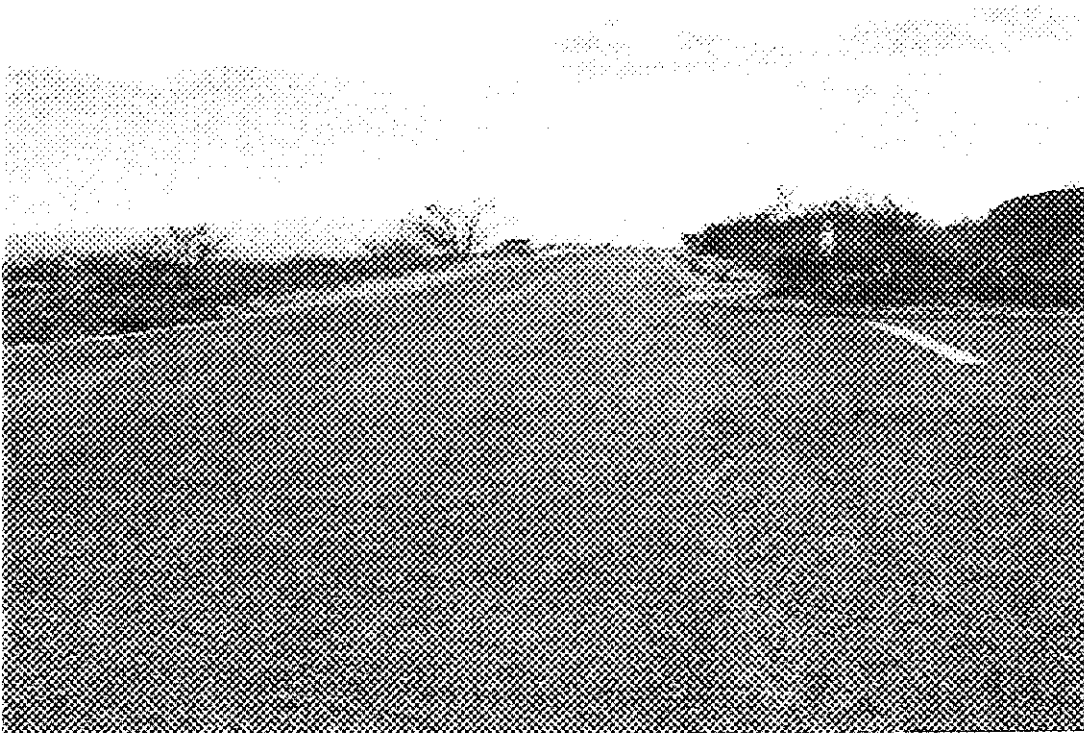


Photo #1877 - MP 0.00 - Begin route at Panther Junction, typical pavement section



Photo #1878 - MP 3.40 - Raveling of chip seal, typical section

PHOTOGRAPHIC SHEET

PARK NUMBER: 7130
ROUTE NUMBER: 012
DATE: 1/99



Photo #1879 - MP 5.10 - Vegetation in shoulder, typical pavement section



Photo #1880 - MP 9.80 - Shoulder drop off

PHOTOGRAPHIC SHEET

PARK NUMBER: 7130
ROUTE NUMBER: 012
DATE: 1/99

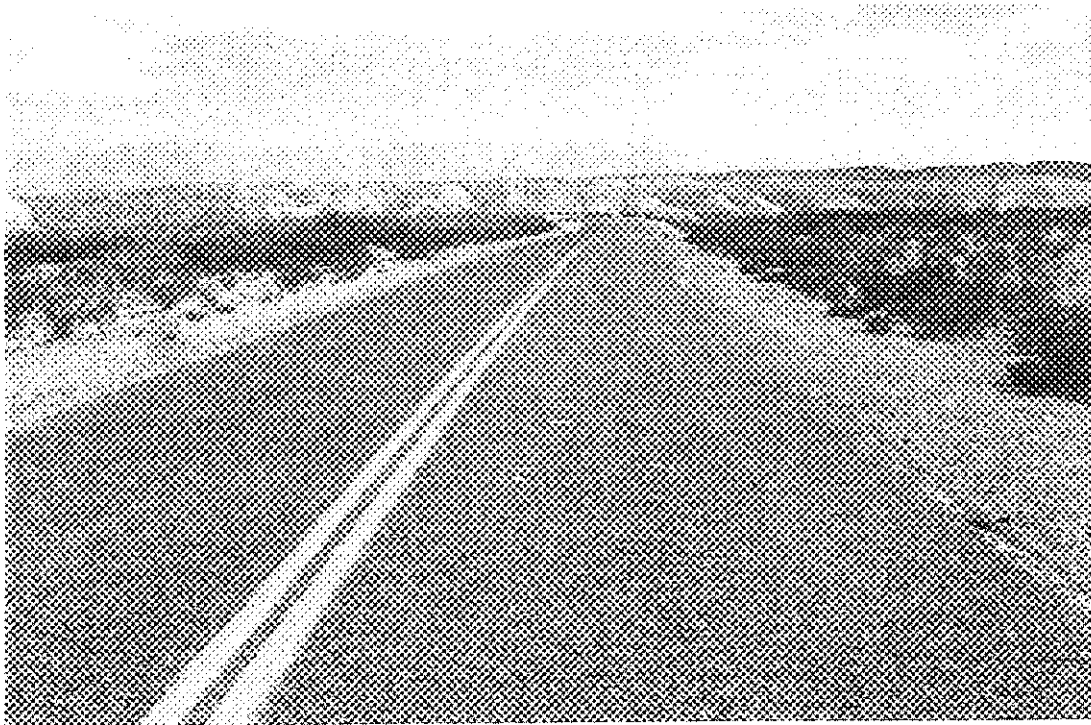


Photo #1881 - MP 15.60 - Typical pavement section

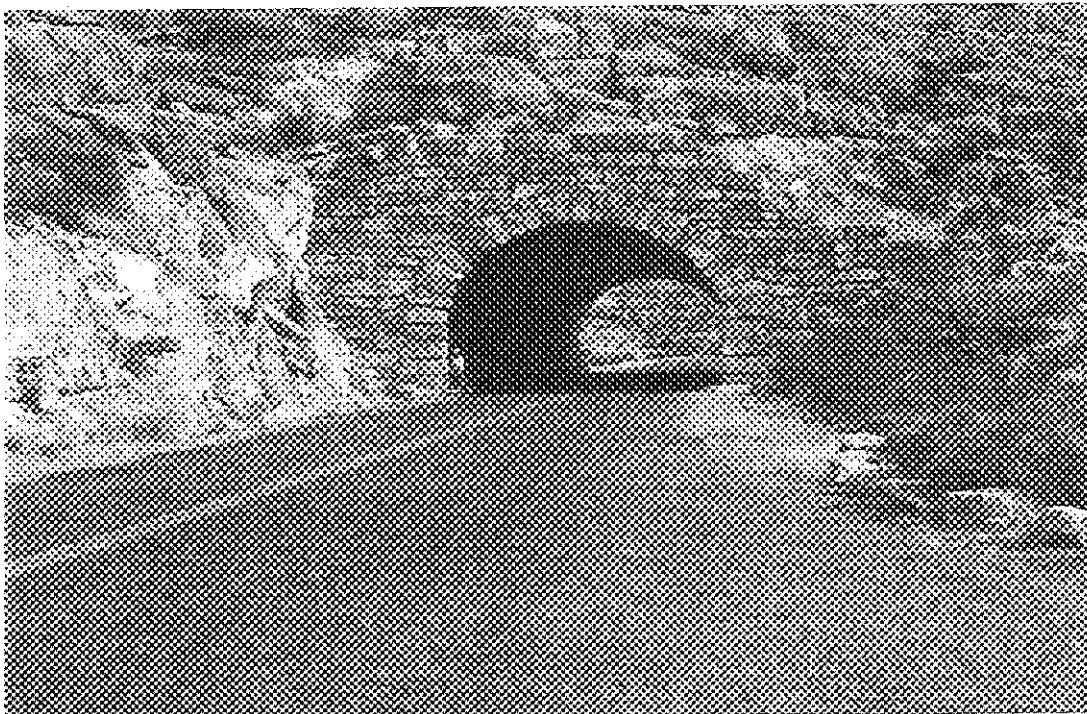


Photo #1882 - MP 18.40 - Tunnel

PHOTOGRAPHIC SHEET

PARK NUMBER: 7130
ROUTE NUMBER: 013
DATE: 1/99

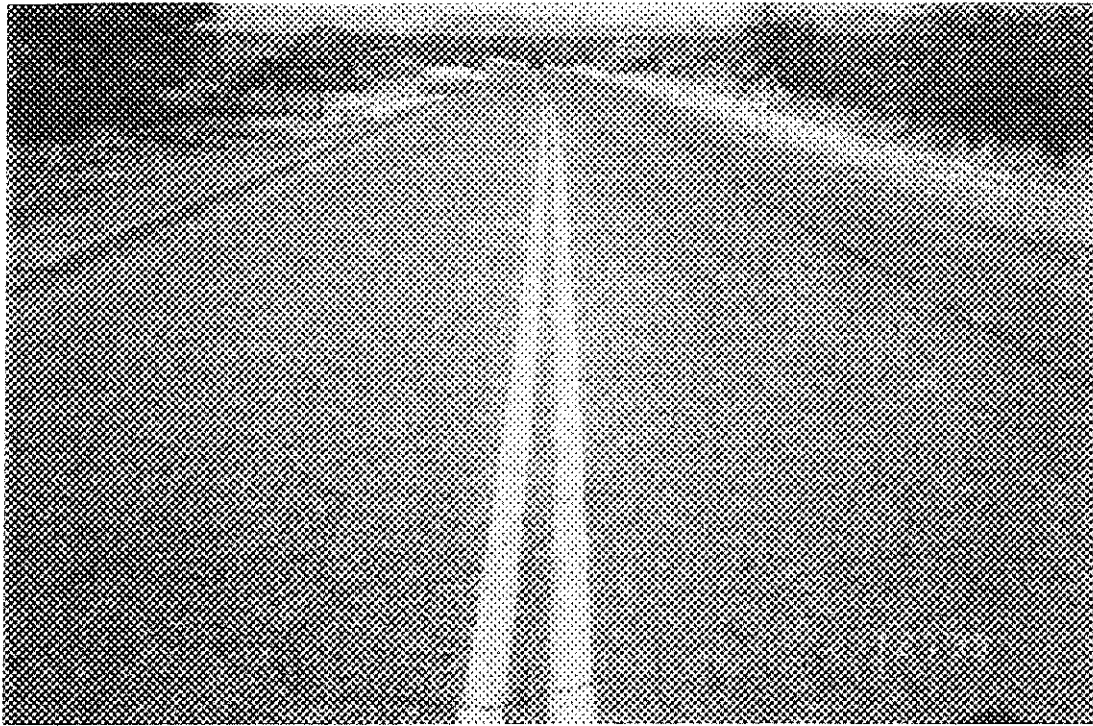


Photo #1-01 - MP 0.00 - Begin route at Panther Junction, typical pavement section



Photo #1-02 - MP 6.20 - Typical pavement section

PHOTOGRAPHIC SHEET

PARK NUMBER: 7130
ROUTE NUMBER: 013
DATE: 1/99

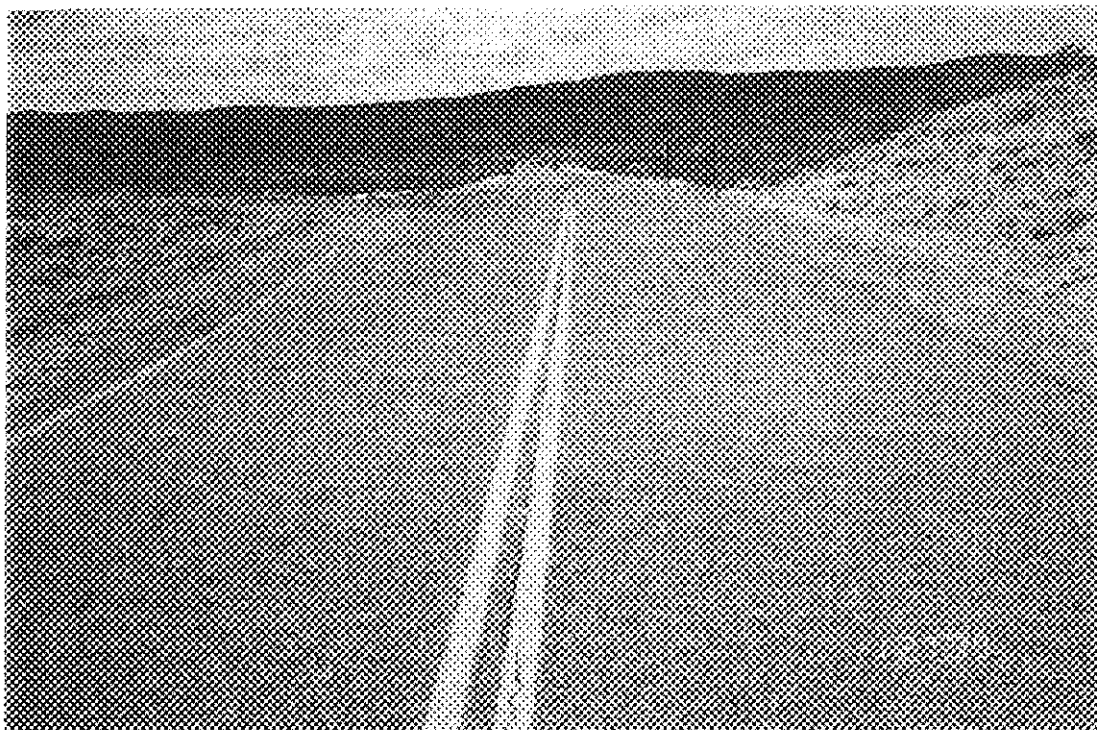


Photo #1-03 - MP 12.66 - Typical pavement section

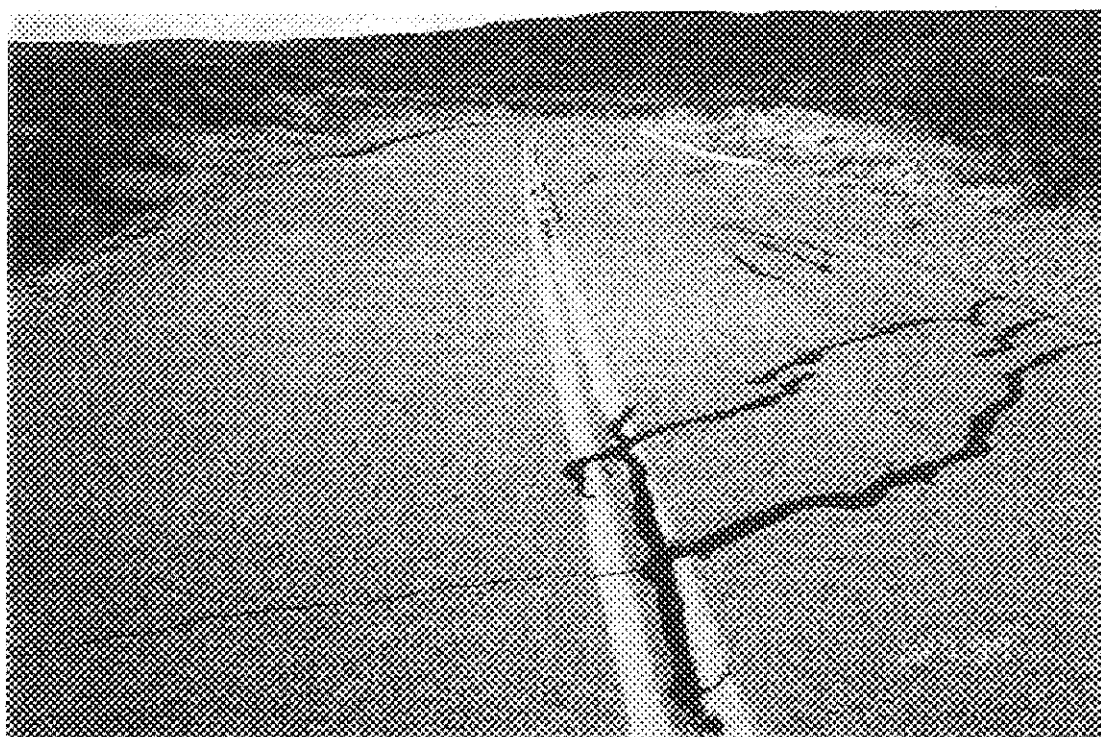
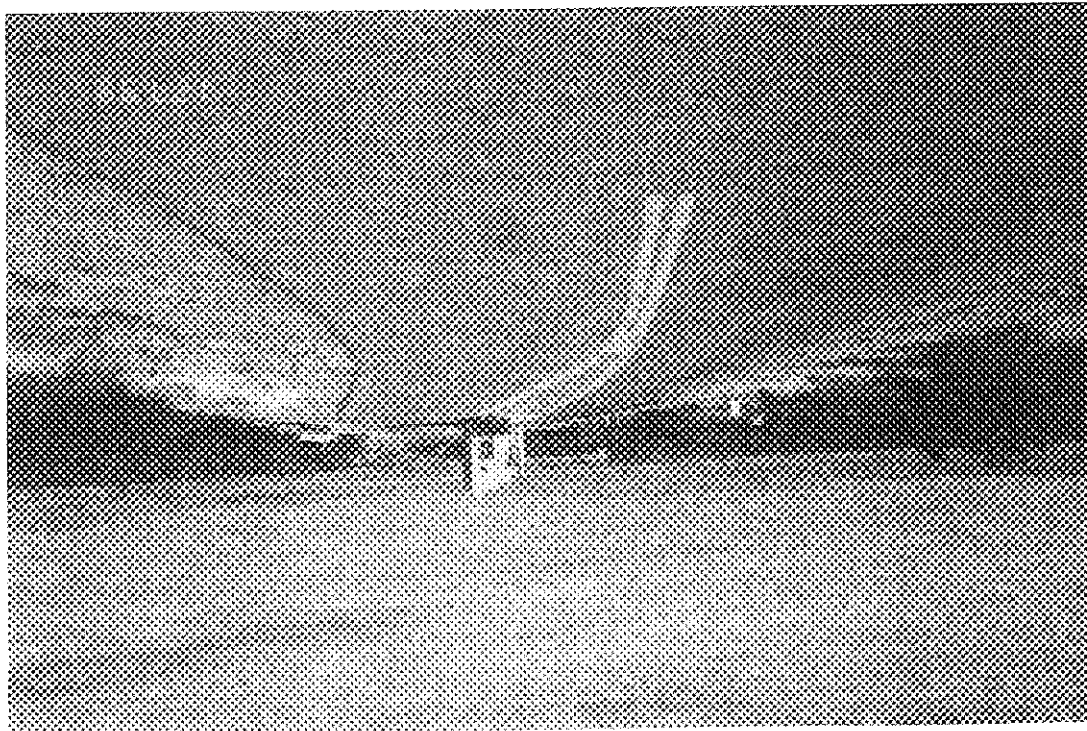


Photo #1-04 - MP 12.80 - Begin sealed cracks and paved shoulder

Photo #1-05 - MP 20.84 - Contact station



PARK NUMBER: 7130
ROUTE NUMBER: 013
DATE: 1/99

PHOTOGRAPHIC SHEET

PHOTOGRAPHIC SHEET

PARK NUMBER: 7130
ROUTE NUMBER: 014
DATE: 1/99

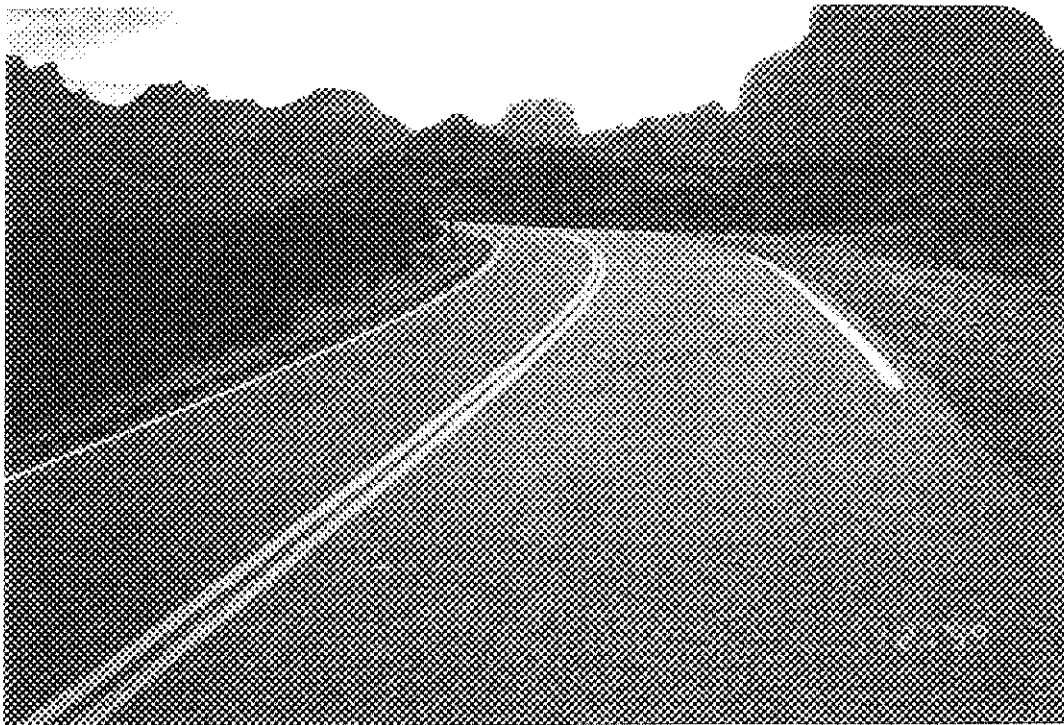


Photo #1-15 - MP 0.12 - Chip seal, typical pavement section



Photo #1-16 - MP 1.00 - Typical pavement section

PHOTOGRAPHIC SHEET

PARK NUMBER: 7130
ROUTE NUMBER: 015
DATE: 1/99

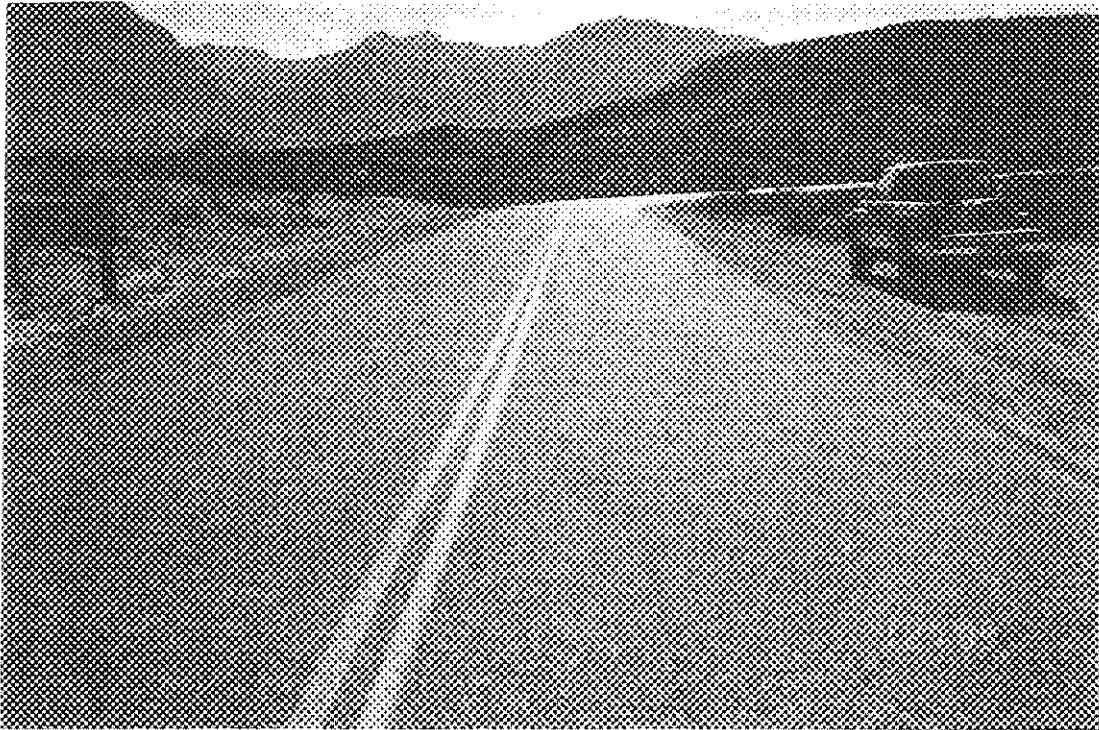


Photo #1-06 - MP 0.00 - Begin at Rte 013, typical pavement section

PHOTOGRAPHIC SHEET

PARK NUMBER: 7130
ROUTE NUMBER: 016
DATE: 1/99



Photo #1-08 - MP 0.00 - Begin at end of Rte 015, typical pavement section

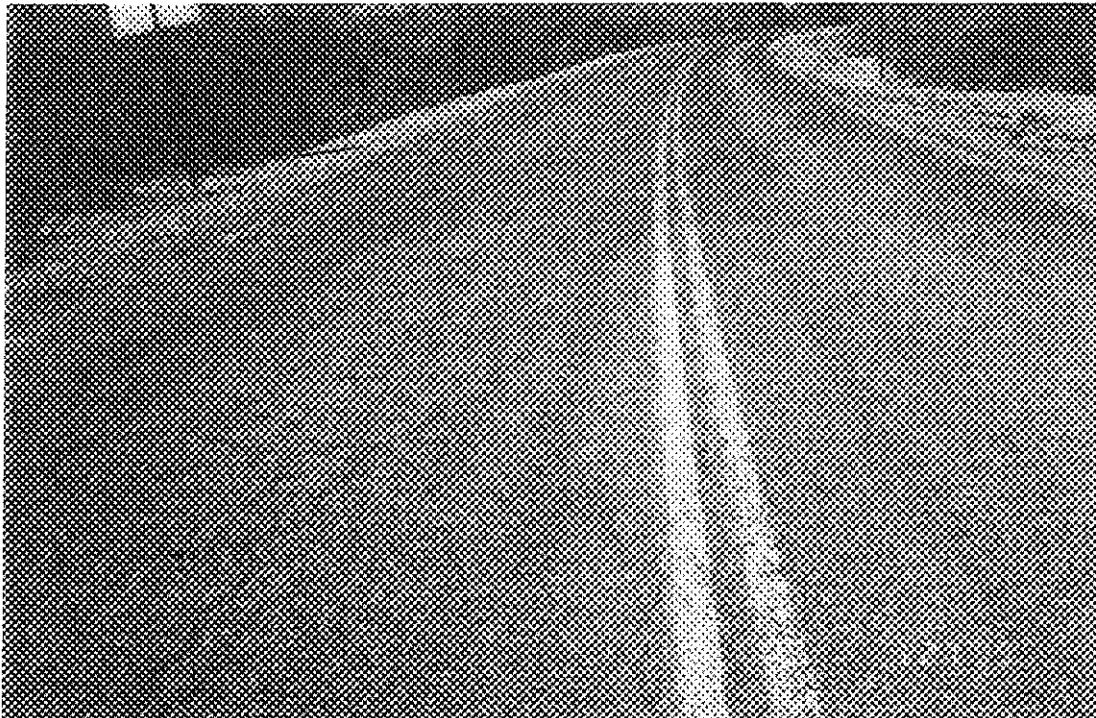


Photo #1-09 - MP 0.10 - Typical pavement section

PHOTOGRAPHIC SHEET

PARK NUMBER: 7130
ROUTE NUMBER: 016
DATE: 1/99

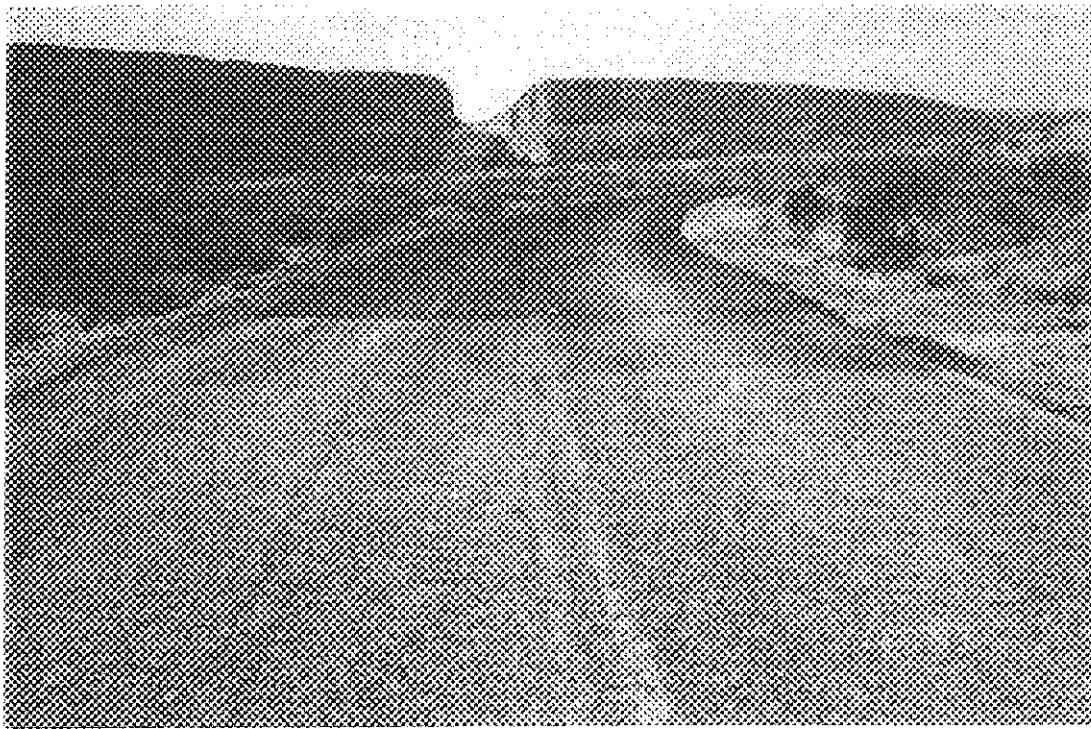


Photo #1-10 - MP 2.80 - Typical pavement section, overlay

PHOTOGRAPHIC SHEET

PARK NUMBER: 7130
ROUTE NUMBER: 109
DATE: 1/99

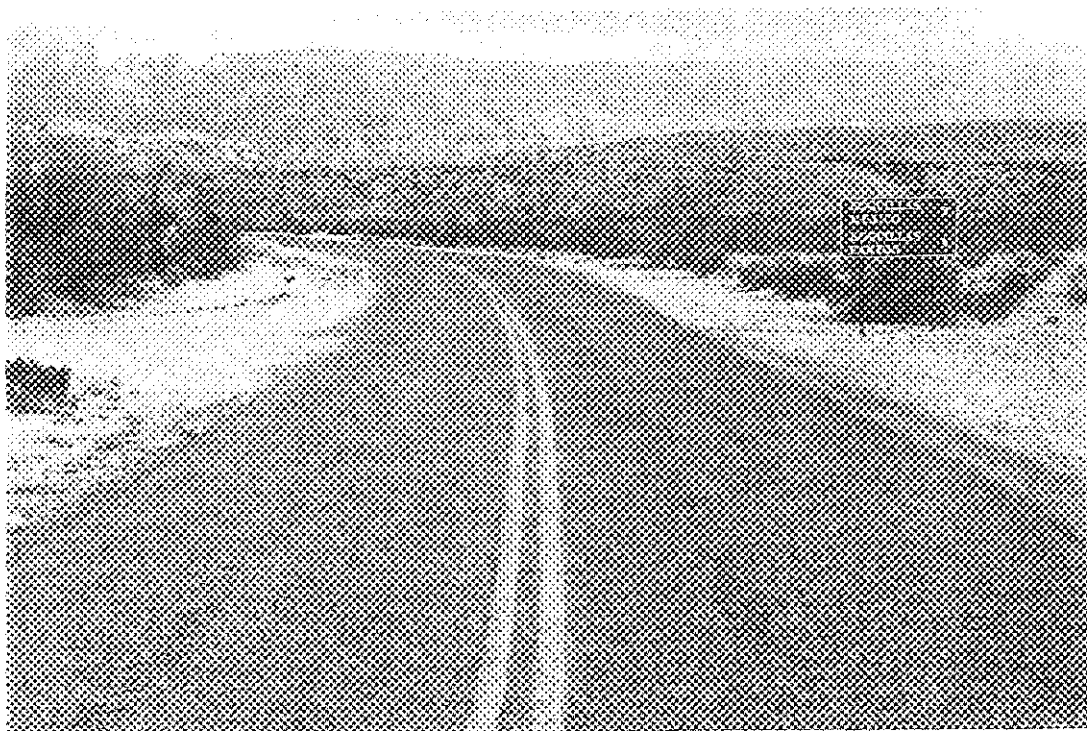


Photo #1886 - MP 0.00 - Begin at Rte 012, typical pavement section

PHOTOGRAPHIC SHEET

PARK NUMBER: 7130
ROUTE NUMBER: 110
DATE: 1/99

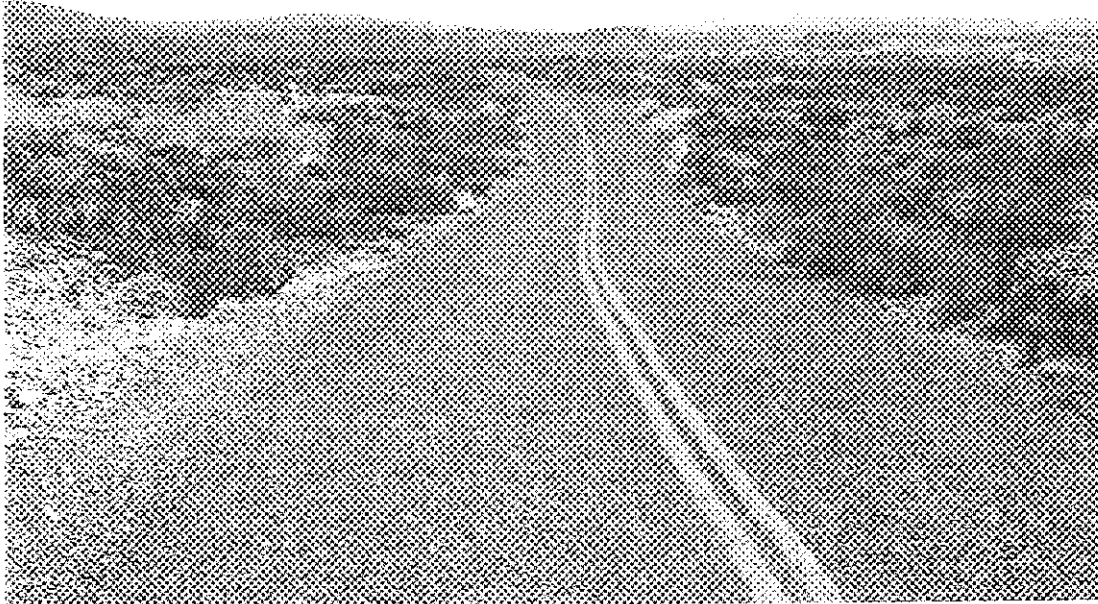


Photo #1887 - MP 0.00 - Begin at Rte 109, typical pavement section

PHOTOGRAPHIC SHEET

PARK NUMBER: 7130

ROUTE NUMBER: 113

DATE: 1/99



Photo #1-14 - MP 0.00 - Begin at Rte 015 - Typical pavement section

PHOTOGRAPHIC SHEET

PARK NUMBER: 7130
ROUTE NUMBER: 114
DATE: 1/99

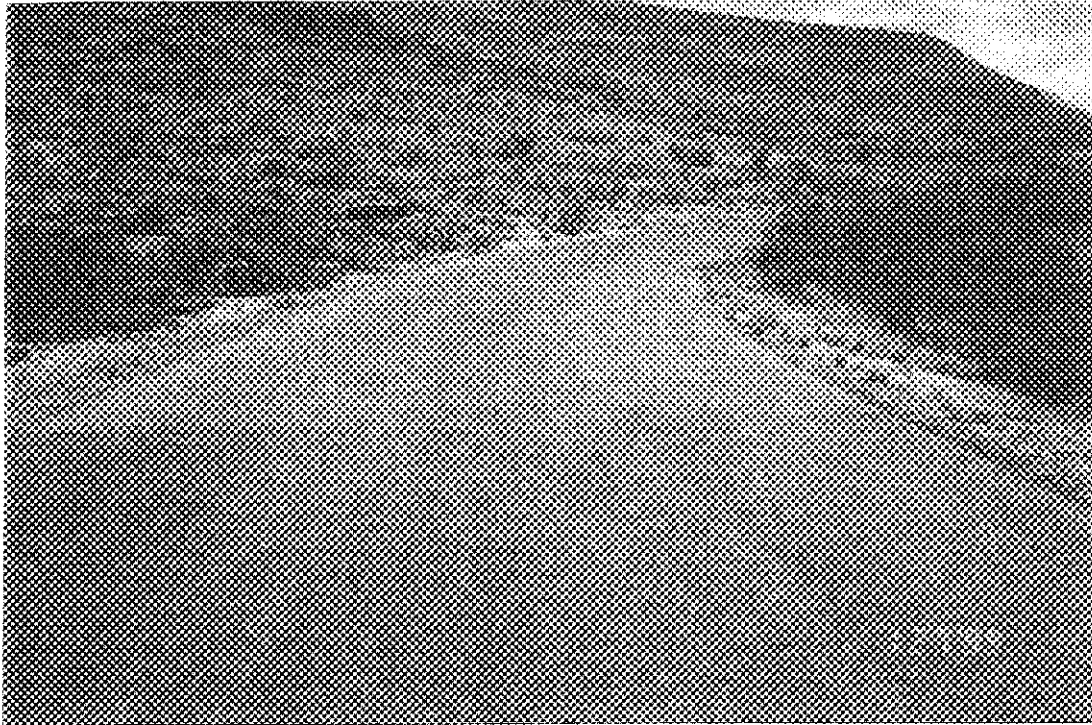


Photo #1-13 - MP 0.00 - Begin at Rte 015 - Typical pavement section

PHOTOGRAPHIC SHEET

PARK NUMBER: 7130
ROUTE NUMBER: 201
DATE: 1/99



Photo #1883 - MP 0.00 - Begin at Rte 907, typical pavement section

PHOTOGRAPHIC SHEET

PARK NUMBER: 7130
ROUTE NUMBER: 206
DATE: 1/99

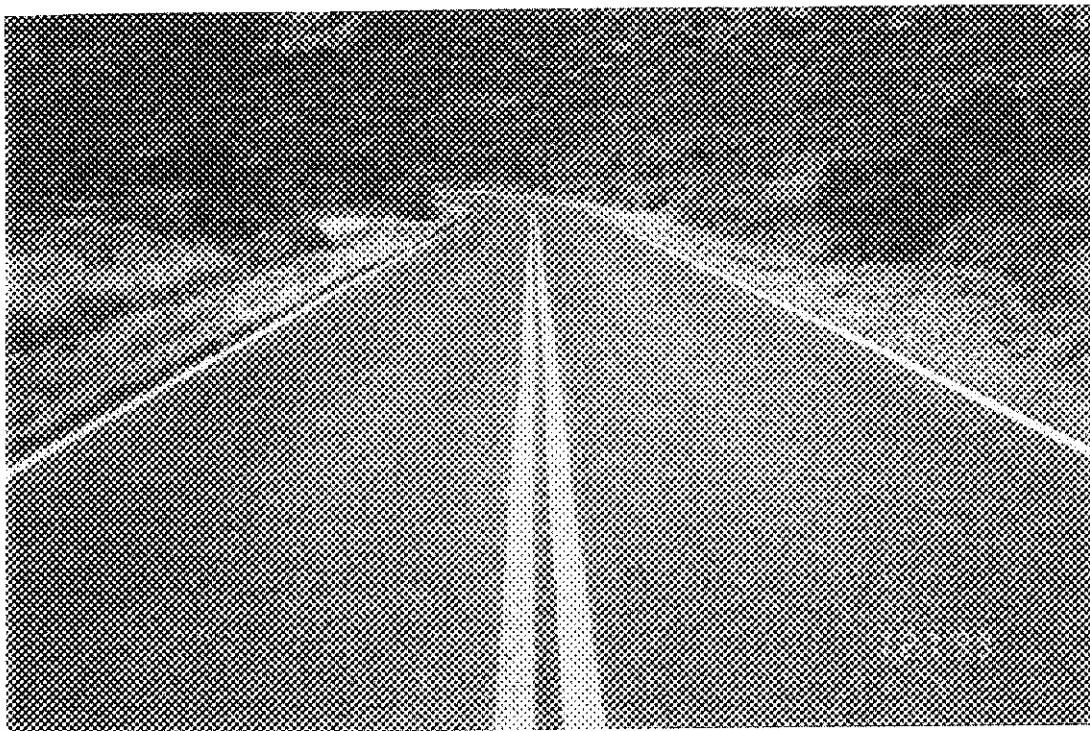


Photo #1-17 - MP 0.05 - Typical pavement section

PHOTOGRAPHIC SHEET

PARK NUMBER: 7130

ROUTE NUMBER: 405

DATE: 1/99

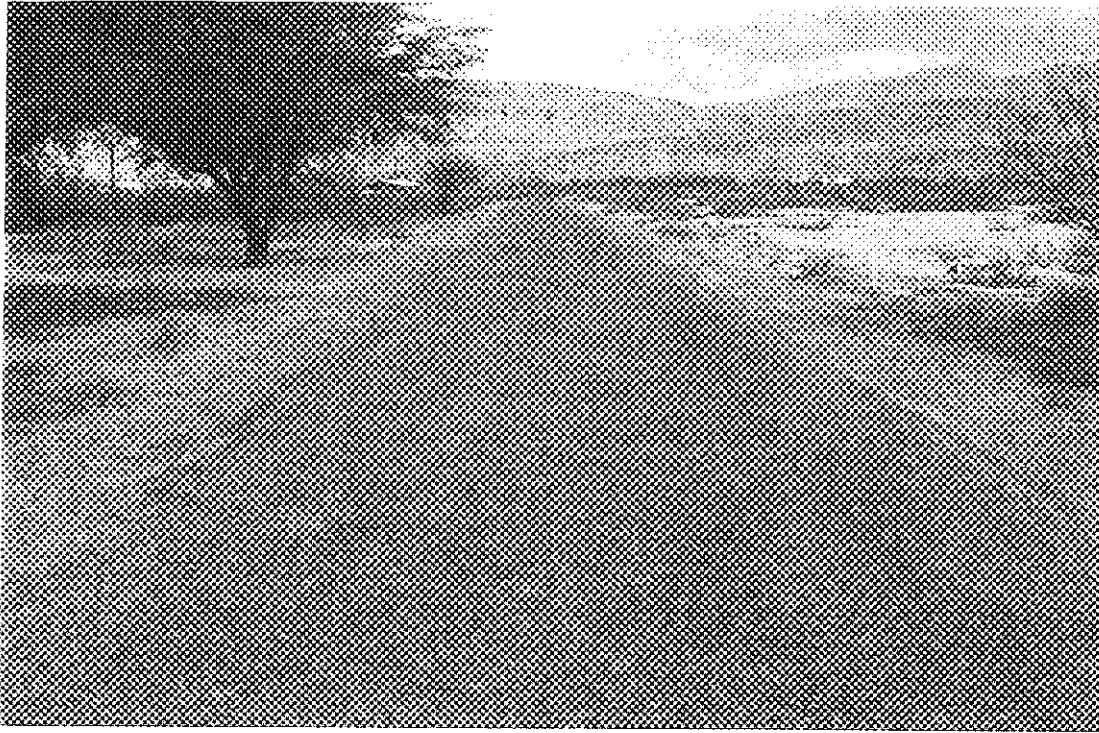


Photo #1885 - MP 0.00 - Begin at Rte 012, typical pavement section

PHOTOGRAPHIC SHEET

PARK NUMBER: 7130
ROUTE NUMBER: 428
DATE: 1/99

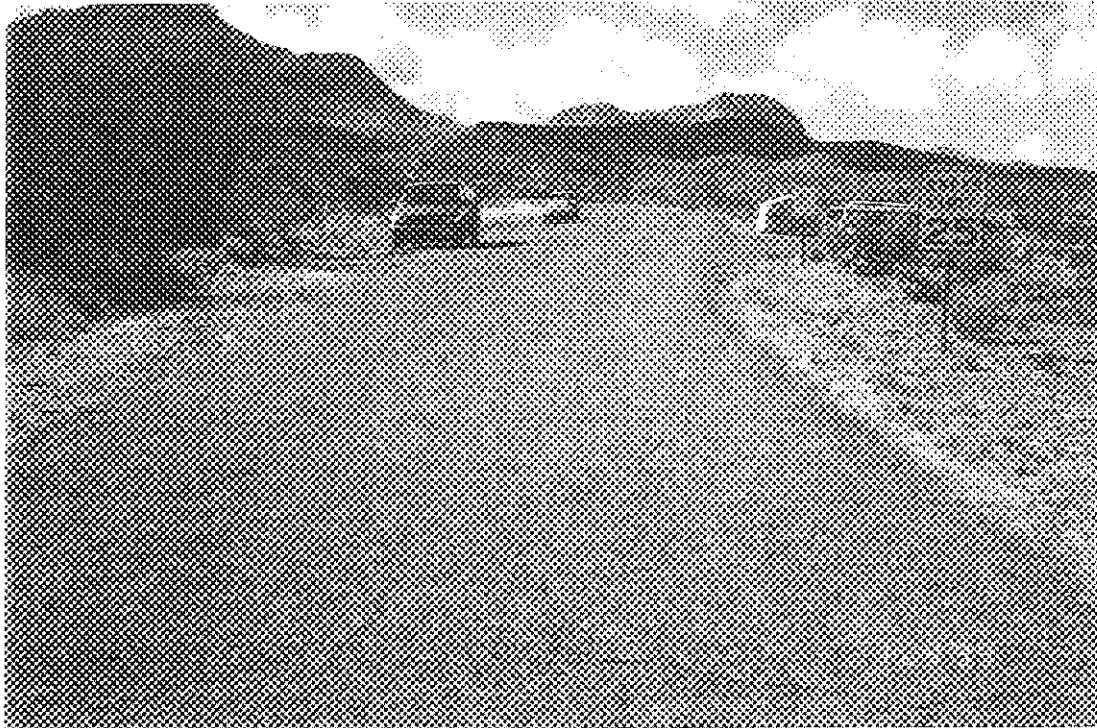


Photo #1-21 - MP 0.00 - Begin at Rte 011, typical pavement section

PHOTOGRAPHIC SHEET

PARK NUMBER: 7130
ROUTE NUMBER: 429
DATE: 1/99

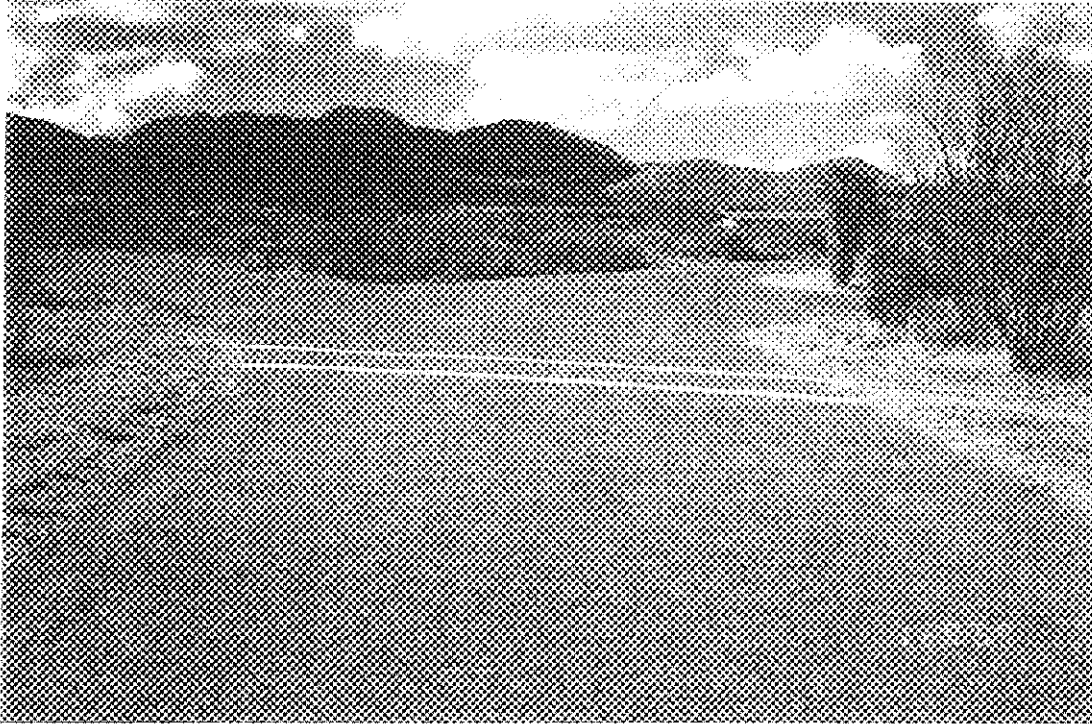


Photo #1-24 - MP 0.00 - Begin at Rte 428, typical pavement section

PHOTOGRAPHIC SHEET

PARK NUMBER: 7130
ROUTE NUMBER: 433
DATE: 1/99

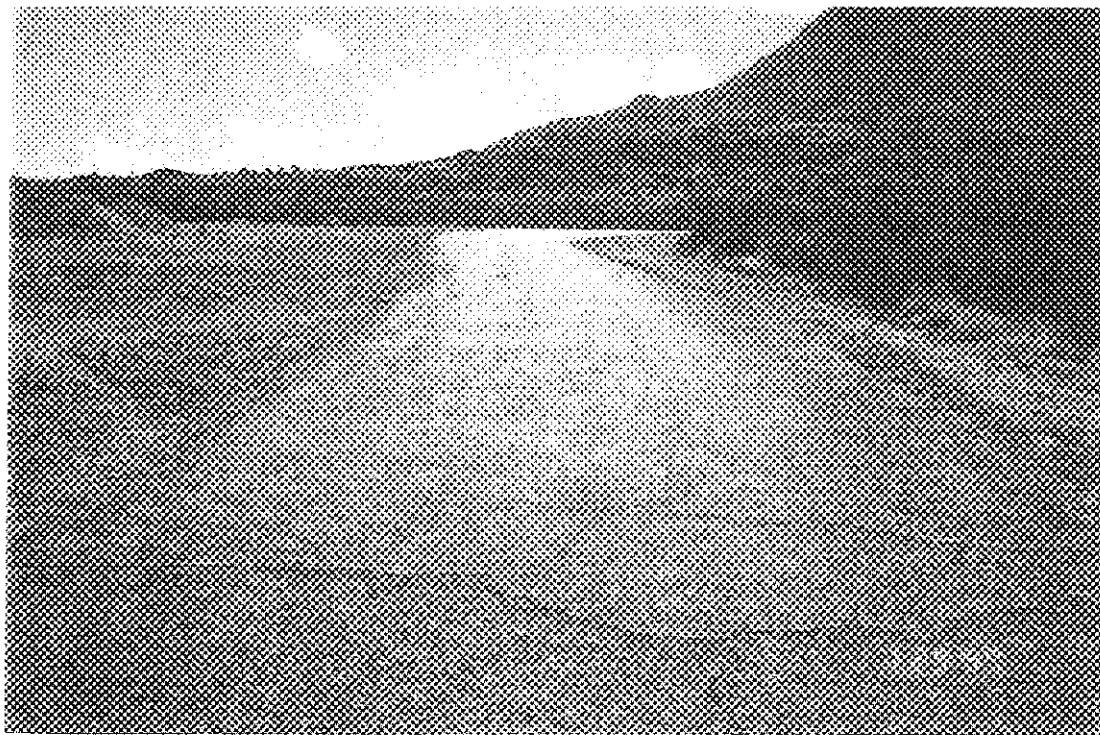


Photo #1-22 - MP 0.00 - Begin at Rte 428, typical pavement section

PHOTOGRAPHIC SHEET

PARK NUMBER: 7130
ROUTE NUMBER: 435
DATE: 1/99



Photo #1-23 - MP 0.00 - Begin at Rte 433, typical pavement section

PHOTOGRAPHIC SHEET

PARK NUMBER: 7130
ROUTE NUMBER: 436
DATE: 1/99

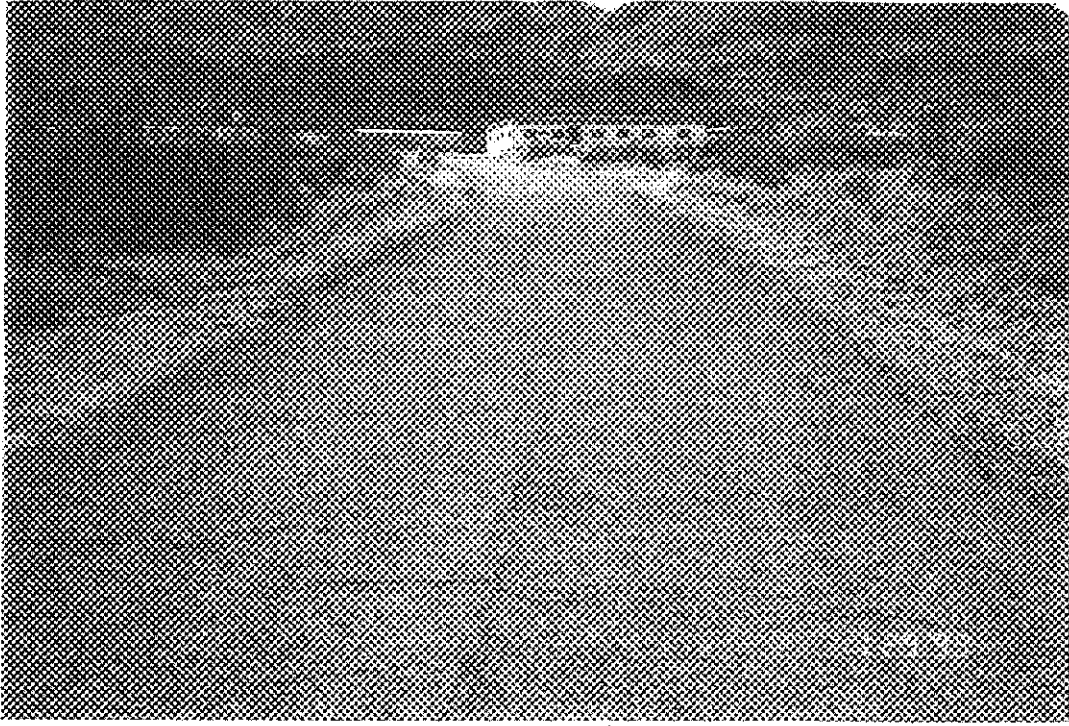


Photo #2-01 - MP 0.00 - Begin at Rte 429, typical pavement section

PHOTOGRAPHIC SHEET

PARK NUMBER: 7130
ROUTE NUMBER: 439
DATE: 1/99

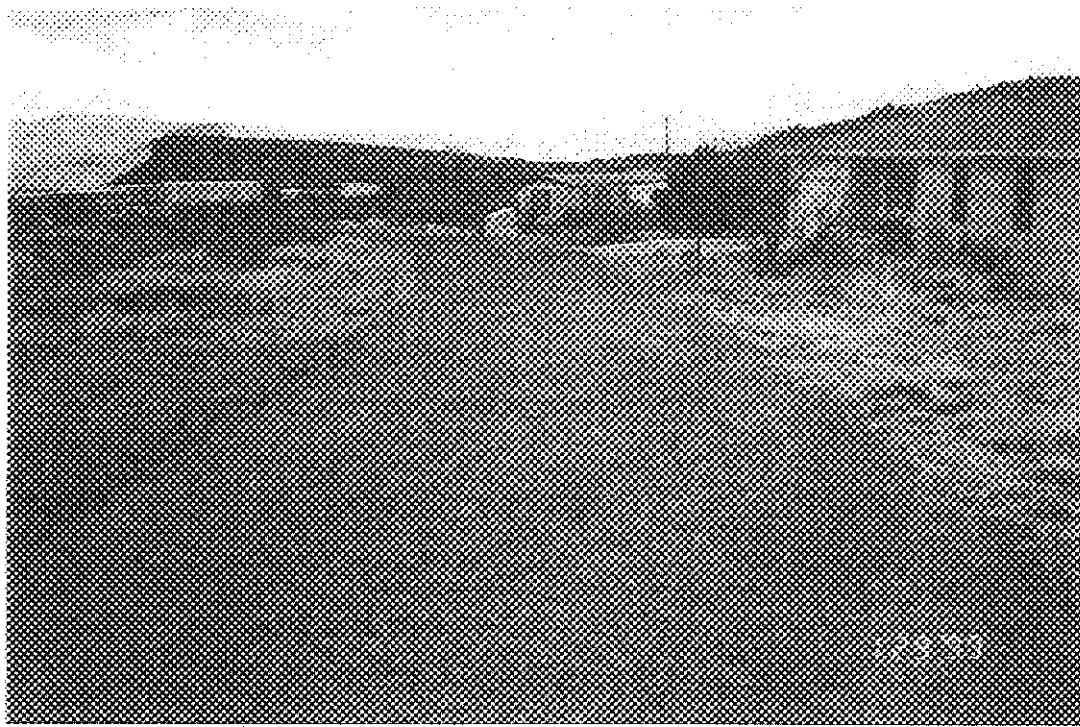


Photo #2-03 - MP 0.00 - Begin at Rte 436, typical pavement section

PHOTOGRAPHIC SHEET

PARK NUMBER: 7130
ROUTE NUMBER: 440
DATE: 1/99

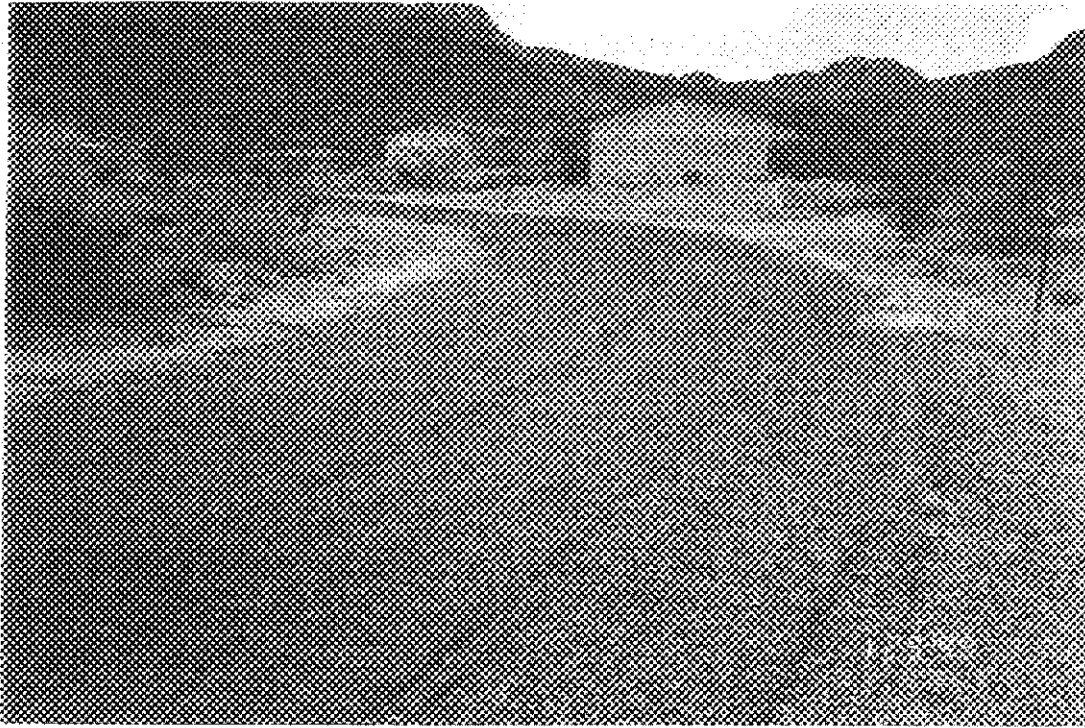


Photo #2-02 - MP 0.00 - Begin at Rte 436, typical pavement section

XI. UNPAVED ROUTES

Unpaved routes are not addressed in this report at this time.

Section "IV. ROUTE INVENTORY" includes a current register of all unpaved routes (name, number, estimated mileage to the nearest 0.01, functional class, number of lanes, and termini description).

Any further information will be added post 1997-99 data collection.

Data was collected for unpaved routes in numerous parks during the '94-'96 data collection cycle. This data (digital images, GPS traces, features inventory, and condition assessments) may be processed in the future.

Big Bend National Park - BIBE - 7130 - R.O.W. VIDEO TAPE INDEX

PAVED ROUTEN O	MILEAGE AT BEGINNING FRAME	FROM	TO	BEGINNING FRAME NO.	ENDING FRAME NO.	VIDEO TAPE NO.	DATE	DIR: PRIM/ OPP
011	0	RTE 012	BNDRY	6844	77958	1	990127	P
011	27.542	BNDRY	RTE 012	80140	150928	1	990127	O
012	0	RTE 011	RTE 201	1443	52353	3	990127	P
012	20.32	RTE 201	RTE 011	97279	146594	3	990127	O
013	0	RTE 011	W BNDRY	28737	87389	5	990127	P
013	21.934	W BNDRY	RTE 011	89586	156238	5	990127	O
014	0	RTE 013	PARKING	158308	180904	5	990127	P
014	6.341	PARKING	RTE 013	8422	30691	6	990127	O
015	0	RTE 013	GATE	4152	67389	4	990127	P
015	23.276	GATE	RTE 013	69355	136081	4	990127	O
016	0	RTE 015	PARKING	172746	195262	4	990127	P
016	7.572	PARKING	RTE 015	2243	23049	5	990127	O
109	0	RTE 012	P A	72760	87100	3	990127	P
110	0	RTE 109	EOL	5	93850	3	990127	P
112	0	RTE 015	PARKING	139508	140384	4	990127	P
113	0	RTE 015	PARKING	141595	148213	4	990127	P
113	1.74	PARKING	RTE 015	151363	156879	4	990127	O
114	0	RTE 015	PARKING	160549	161997	4	990127	P
201	0	RTE 907	LOOP END	55155	62102	3	990127	P
203	0			64094	64790	3	990127	P
206	0	RTE 014	PARKING	182644	185543	5	990127	P
233	0	RTE 206	RTE 206	2152	5000	6	990127	P
234	0	RTE 206	LOOP	195288	197310	5	990127	P
405	0	RTE 012	END	68937	70455	3	990127	P
426	0	RTE 015	MAINT	164184	166064	4	990127	P
428	0	RTE 012	MTCE	32973	35117	6	990127	P
429	0	RTE 428	RTE 428	37493	39380	6	990127	P
430	0	RTE 428	RTE 429	56420	56885	6	990127	P
433	0	RTE 428	RTE 436	41658	43164	6	990127	P
435	0	RTE 433	RTE 433	45713	46274	6	990127	P
436	0	RTE 429	END	59628	61083	6	990127	P
439	0	RTE 436	END	52167	52562	6	990127	P
440	0	RTE 436	LOOP	49221	49991	6	990127	P

* THERE IS NO TAPE #2 FOR THIS PARK

GLOSSARY OF TERMS
AND
ABBREVIATIONS

<u>TERM OR ABBREVIATION</u>	<u>DESCRIPTION OR DEFINITION</u>
7130	Big Bend National Park Numeric Code
AADT	Annually adjusted average daily traffic. Average daily traffic for the term period comprising 80% of annual vistration.
CRS	Condition Rating Sheet. Index rating for pavement distresses, roadway condition and cross section information.
DCR	Drainage Condition Rating
Defecient Lane Miles	Lane Miles rated in POOR Condition.
DIRI	Driver International Roughness Index
Drainage Condition Rating	Drainage condition rating. An alpha rating from P (failed) to E (excellent) based on visual observations.
EXCELLENT	Excellent rating. PCR (or SCR) 95 or greater.
F_C	Functional Class. See Table 1 in appendix.
FAIR	Fair rating. PCR (or SCR) between 61 and 84.
GOOD	Good rating. PCR or (SCR) between 85 and 94
IRI	International Roughness Index
BIBE	Big Bend National Park Alpha Code
Lane	The portion of roadway from centerline to fogline or edge of pavement if no fog line exists.
Lane Miles	Mileage of total pavement coverage, based on a standard lane width. Either calculated as straight route mileage times the number of lanes, or as an area converted to 11 foot lane widths.
LRUT	Left Rut

NA	Not applicable.
PAV_MI	Paved portion of route, length in miles.
Pavement Width	The entire portion of roadway from edge of pavement to edge of pavement.
PCR	Pavement condition rating. Numerical rating from 0 (failed) to 100 (excellent). Based on the surface condition and roughness of the road.
POOR	Poor rating. PCR (or SCR) 60 or less.
RI	Roughness Index.
SWR	Southwest Region
RRUT	Right Rut
RT#	Route number.
RTE_DESCRIPTION	Description of the route terminus.
RTE_MI	Total route length in miles.
RTE_NAME	Route name.
SADT	Seasonal Annual Daily Traffic. Average daily traffic for the total "season".
SCR	Surface Condition Rating. Numerical rating from 0 (failed) to 100 (excellent). Based on the extent of alligator cracking, patching, longitudinal cracking, rutting, and transverse cracking.
Shoulder Condition Rating	Alpha rating from P (failed) to E (excellent). Visual and measured observations of the adequacy of a section of shoulder. Also applies to curb and gutter.
Shoulder Width	If fogline exists, the portion of pavement outside lane, from fogline to edge of pavement.
UNPAV_MI	Unpaved portion of route, length in miles.

GENERAL PARK ROAD FUNCTIONAL CLASSIFICATION - TABLE 1

Class I	Principal Park Road/Rural Parkway (Public Roads) - Roads which constitute the main access route, circulatory tour, or thoroughfare for park visitors. Route Numbers 1-99. Note: Rural parkways (e.g. Natchez Trace) are numbered 1-9. All other FC 1 routes have two digit numbers.
Class II	Connector Park Road (Public Roads) - Roads which provide access within a park to areas of scenic, scientific, recreational or cultural interest, such as overlooks, campgrounds, etc. Route Numbers 100-199.
Class III	Special Purpose Park Road (Public Roads) - Roads which provide circulation within public areas, such as campgrounds, picnic areas, visitor center complexes, concessionaire facilities, etc. These roads generally serve low-speed traffic and are often designed for one-way circulation. Route Numbers 200-299.
Class IV	Primitive Park Roads (Public Roads) - Roads which provide circulation through remote areas and/or access to primitive campgrounds and undeveloped areas. These roads frequently have no minimum design standards and their use may be limited to specially equipped vehicles. Route Numbers 200-299. Note: Functional Classes III and IV have the same route numbers because, historically, they were numbered similarly.
Class V	Administrative Access Road (Administrative Roads) - All public roads intended for access to administrative developments or structures such as park offices, employee quarters, or utility areas. Route Numbers 400-499.
Class VI	Restricted Road (Administrative Roads) - All roads normally closed to the public, including patrol roads, truck trails, and other similar roads. Route Numbers 400-499. Note: Functional Classes V and VI have the same route numbers because historically they were numbered similarly and often there is little distinction between these routes. For example, because utility areas and employee housing are often closed to the public, this restriction would result in classification of FC VI rather than FC V.
Class VII	Urban Parkway (Urban Parkways and City Streets) - These facilities serve high volumes of park and non-park related traffic and are restricted, limited-access facilities in an urban area. This category of roads primarily encompasses the major parkways which serve as gateways to our nation's capital. Other major park roads or portions thereof, however, may be included in this category. Route Numbers 1-9.
Class VIII	City Streets (Urban Parkways and City Streets) - City streets are usually extensions of the adjoining street system that are owned and maintained by the National Park Service. The construction and/or reconstruction should conform with accepted local engineering practice and local conditions. Route Numbers 600-699.

A park road system contains those roads within or giving access to a park or other unit of the NPS which are administered by the NPS, or by the Service in cooperation with other agencies. The assignment of a functional classification (FC) to a park road is not based on traffic volumes or design speed, but on the intended use or function of that road or route.

The historic route numbering system also included a 300 number series for interpretive roads, and a 500 series for one-way roads. There are approximately 250 roads nationwide which are designated by the 300 and 500 series. The numbers for these roads will be maintained for reporting consistency. However, since these interpretive and one-way routes are not as clearly tied to a specific functional class, the 300 and 500 series will be discontinued for future use.

DESCRIPTION OF RATING SYSTEM

Data is collected on the following distresses and conditions:

- **Alligator Cracking** - a series of interconnecting cracks resembling alligator skin or chicken wire which usually occur in the wheel path.
- **Longitudinal Cracking** - cracks which are parallel to the pavement centerline or asphalt lay down direction.
- **Transverse Cracking** - cracks perpendicular to the pavement centerline.
- **Pothole (patch)** - a bowl-shaped hole in the pavement surface.
- **Rutting** - surface depressions in the wheel paths.

In addition, **Roughness** has been collected and is used in the PCR formula.

A Rating Index value is calculated for each of these at the 0.02 mile, or every 105.6 feet.

Rating Index Formulas

Alligator Cracking Index = $100 - [40 * (\% \text{low}/70 + \% \text{medium}/30 + \% \text{high}/10)]$

Longitudinal Cracking Index = $100 - [40 * (\% \text{low}/350 + \% \text{medium}/200 + \% \text{high}/75)]$

Transverse Cracking Index = $100 - [40 * (\text{low}/15.1 + \text{medium}/7.5 + \text{high}/1.9)]$

Patching Index = $100 - [40 * (\% \text{patching} / 80)]$

Rutting Index: Asphalt Surface = $[13.33 * (\text{deepest rut})^2] - [86.67 * \text{deepest rut}] + 100$

Chipseal (1-5 yrs. old) = $[9.53 * (\text{deepest rut})^2] - [86.67 * \text{deepest rut}] + 108.57$

Chipseal (>5 yrs. old) = $[3.85 * (\text{deepest rut})^2] - [83.46 * \text{deepest rut}] + 116.53$

Roughness Index: (RI) = $29 * [5 * e^{(-0.0041 * \text{average RI})}]$

These 0.02 Rating Index values are then averaged over one mile sections for the mile-by-mile Rating Indexes, Surface Condition Rating (SCR) and Pavement Condition Rating (PCR).

Surface Condition Rating (SCR) = $100 - [40 * (\text{LOW ALLIGATOR CRACKING}/70 + \text{MEDIUM ALLIGATOR CRACKING}/30 + \text{HIGH ALLIGATOR CRACKING}/10 + \text{PATCHING}/80 + \text{LOW TRANSVERSE CRACKING}/15.1 + \text{MEDIUM TRANSVERSE CRACKING}/7.5 + \text{HIGH TRANSVERSE CRACKING}/1.9 + \text{LOW LONGITUDINAL CRACKING}/350 + \text{MEDIUM LONGITUDINAL CRACKING}/200 + \text{HIGH LONGITUDINAL CRACKING}/75 + \text{MAXIMUM RUT VALUE})]$

Pavement Condition Rating (PCR) = $(\text{SCR} * 0.60) + (\text{RI} * 0.40)$

NOTE: Collection of roughness data is dependant on the data collection vehicle traveling at a minimum speed of 22 mph. In the event that a route cannot be safely traveled at this minimum speed, and results in no roughness data, the SCR only will be calculated.

Drainage Condition Rating Definitions

- Excellent:** No drainability problem. If funding were available for pavement maintenance, no funds would be required for drainage concerns.
- Good:** Minimal overall drainability problems. If funding were available for pavement maintenance, 25% or less is estimated to correct drainage deficiencies.
- Fair:** Moderate problems with drainability that needs correcting before it deteriorates to a poor rating. If funding were available for pavement maintenance in this section, 25% to 50% is estimated to correct deficiencies.
- Poor:** Severe problems exist that jeopardizes the integrity of the road in this section. If funding were available for pavement maintenance, 50% to 100% is estimated to correct drainage deficiencies.

Drainage Rating Criteria

The following are examples of basic criteria to help the rater to identify the different drainability ratings. While in the field, many other flaws will be discovered, but this criteria should give a feel for where the flaws would apply in the ratings.

A. Excellent Drainability

All water clears the road prism adequately without any chance of base saturation.

- Pavement drains without interruption.
- Curbs are flawless with the exception of minor cracking.
- Down drains are secure and placed properly.
- Drop inlets are at the correct grade and location with no deficiencies.
- Culverts are adequate in numbers, size, and condition.
- Ditches are constructed of asphalt and are sufficient to carry required volumes of water.

B. Good Drainability

Most water clears the road prism adequately with little concern of base saturation.

- Pavement has minor deficiencies that interrupt water flow.
- Shoulders are mostly adequate as they relate to surrounding terrain. Shoulder design generally coincides with the drainage design.
- Curbs have deficiencies, but still function without erosion.
- Down drains are placed properly, but show signs of some deterioration.
- Culverts are adequate in numbers and size, however, minor deficiencies are evident.
- Ditches are not paved, but solid and have enough area to maintain and carry required volume of water.

C. Fair Drainability

Some areas have questionable ability for the water to clear the road prism with an uncomfortable concern for base saturation.

- Pavement shows moderate flaws, such as rutting, and other irregularities that would hold minor amounts of water, interrupting the flow of water.
- Shoulder grades restrict the flow of water, however, water exits after some ponding.
- Down drains show evidence that limited water is causing erosion as a result of deterioration, or other similar flaws (e.g. missing asphalt that guides water to down drain).
- Drop inlet encasements are cracked, iron is bent, or are misaligned to cause limited water to escape,
- Culvert headwalls show moderate damage or are inadequate, the exit shows some damage to fill areas, or entry asphalt is moderately damaged.
- Ditches have some permeable material, unmovable obstructions to interrupt flow obviously hard to maintain due to inconsistencies, or have a less than desirable area to carry required volumes of water.

D. Poor Drainability

This section has areas of inadequate drainage ability that is causing base saturation that could cause a road failure.

- Pavement grade is irregular and holds dangerous amounts of water (hydroplaning is a concern), or shows massive alligator cracking.
- Shoulder design induces ponding that encroaches on the pavement (drivers try to avoid ponds).
- Portions of curbs are missing, allowing water to escape causing erosion.
- Drop inlets, due to various reasons, are only able to drain 50% or less efficiently.
- Down drains show signs of water exiting in areas by the down drain causing erosion.
- Culverts are functionally deficient including size, installation, location, or grade giving water opportunity to saturate the road base.
- Ditches allow water opportunity to saturate the road base through various reasons such as low places in ditch where design has not allowed for water to drain, little or no room in the road prism for a needed ditch, or water is disappearing within the ditch.

Shoulder Condition Rating Definitions

- | | |
|-------------------|--|
| Excellent: | Shoulder is new or under construction. It meets or exceeds standards. The curb is new. |
| Good: | The shoulder is below standard width for posted speed and grading is required. The curb is functional. |
| Fair: | There are variations in the shoulder, irregular width with material replacement required. The curb is in need of repairs or adjustments. |
| Poor: | There isn't any shoulder, erosion has removed it. The curb needs replacement. |

Shoulder Rating Criteria

The following are examples of basic criteria to help the rater to identify the different shoulder ratings. While in the field, many other flaws will be discovered, but this criteria should give a feel for where the flaws would apply in the ratings.

The overall shoulder condition rating for a section is determined by the lowest individual rating for any one of the above categories (width, rutting, cracking, erosion, drop-off, and curbs).

A. Excellent Shoulders

- If shoulder is unpaved there will not be any drop-offs or erosion.
- If shoulder is paved there isn't any rutting, cracking, or erosion.
- Curbs are flawless with the exception of minor cracking and no erosion behind curb.

B. Good Shoulders

- If shoulder is unpaved drop-offs are less than 1", but grading is required.
- If shoulder is paved rut depth is less than 1/2", sealed cracks are present, and grading is required.
- If curbs are present they are functional.

C. Fair Shoulder

- If shoulder is unpaved drop-offs are from 1" to 4" and replacement of material required.
- If shoulder is paved rut depth is from 1/2" to 1". Open cracks are present but less than 1/4" deep, replacement of material is needed from erosion.
- If curbs are present they need repairs, and there is erosion behind the curb.

D. Poor Shoulder

- If shoulder is unpaved drop-offs are greater than 4" and erosion has removed the shoulder.
- If shoulder is paved rut depth is greater than 1". Open cracks are greater than 1/4" deep, and erosion has removed the shoulder.
- If curbs are present they need replacement.
- If curbs are present they need repairs, and there is erosion behind the curb.