TABLES

TABLE 3-1

MILEAGE OF ALTERNATIVE ROUTES IN MILITARY AIRSPACE

		Alternative Routes									*Ely to Delta*			
	Link	**Route A**	**Route B**	**Route C**	**Route D**	**Route E**	**Route F**	**Route G**	**Utility**	**Agency Preferred**	**Direct**	**Cutoff**	**230 Corridor**	**Southern**
Hill AFB														
Lucin A MOA	221	0	3	0	0	3	0	0	0	3	0	0	0	0
	222	0	13.7	0	0	13.7	0	0	0	0	0	0	0	0
	223	0	0	0	0	0	0	0	0	9.7	0	0	0	0
Total		0	16.7	0	0	16.7	0	0	0	12.7	0	0	0	0
Lucin C MOA	211	0.7	0	0.7	0	0	0.7	0.7	0.7	0	0	0	0	0
	212	0.9	0	0.9	0	0	0.9	0.9	0.9	0.9	0	0	0	0
	223	0	0	0	0	0	0	0	0	3.5	0	0	0	0
Total		1.6	0	1.6	0	0	1.6	1.6	1.6	4.4	0	0	0	0
Gandy MOA	222	0	8.3	0	0	8.3	0	0	0	0	0	0	0	0
	226	0	17.4	0	0	17.4	0	0	0	0	0	0	0	0
	266	0	0	0	0	0	0	0	0	0	17	17	0	0
	267	0	0	0	0	0	0	0	0	0	0	17.1	0	0
	620	0	0	0	0	0	0	0	0	0	2.8	0	0	0
Total		0	25.7	0	0	25.7	0	0	0	0	19.8	34.1	0	0
Restricted-6405	222	0	0.7	0	0	0.7	0	0	0	0	0	0	0	0
	224	0	5.9	0	0	5.9	0	0	0	0	0	0	0	0
	226	0	4.4	0	0	4.4	0	0	0	0	0	0	0	0
	620	0	0	0	0	0	0	0	0	0	8.4	0	0	0
	621	0	0	0	0	0	0	0	0	0	2.2	0	0	0
	630	0	0	0	0	0	0	0	0	0	44.5	0	0	0
	640	0	0	0	0	0	0	0	0	0	2.6	0	0	0
Total		0	11	0	0	11	0	0	0	0	57.7	0	0	0
Sevier A	267	0	0	0	0	0	0	0	0	0	0	3.5	0	0
	268	0	0	0	0	0	0	0	0	0	0	18.8	0	0
	451	0	0	0	0	0	0	0	0	0	0	0	0	1.2
	461	0	0	0	0	0	0	0	0	0	0	0	12.3	0
	462	0	0	0	0	0	0	0	0	0	0	27.9	27.9	0
	470	0	0	0	0	0	0	0	0	0	0	12.6	12.6	0
	630	0	0	0	0	0	0	0	0	0	8	0	0	0
	640	0	0	0	0	0	0	0	0	0	2.6	0	0	0
Total		0	0	0	0	0	0	0	0	0	10.6	62.8	52.8	1.2

Table 3-1, Mileage of Alternative Routes in Military Airspace (Continued)

		Alternative Routes									Ely to Delta			
	Link	Route A	Route B	Route C	Route D	Route E	Route F	Route G	Utility	Agency Preferred	Direct	Cutoff	230 Corridor	Southern
Hill AFB														
Sevier B	451	0	0	0	0	0	0	0	0	0	0	0	0	67.9
	470	0	0	0	0	0	0	0	0	0	0	6.3	6.3	0
	490	0	0	0	0	0	0	0	0	0	0	0	0	9.1
	510	0	0	0	0	0	0	0	0	0	0	0	0	6.6
	540	0	0	0	0	0	0	0	0	0	0	6.9	6.9	0
	560	0	0	0	0	0	0	0	0	0	0	0	0	4.6
	571	0	0	0	0	0	0	0	0	0	0	7.6	7.6	7.6
	572	0	0	0	0	0	0	0	0	0	4	4	4	4
	580	0	0	0	0	0	0	0	0	0	1.5	1.5	1.5	1.5
	640	0	0	0	0	0	0	0	0	0	8.3	0	0	0
Total		0	0	0	0	0	0	0	0	0	13.8	26.3	26.3	101.3
Grand Total		1.6	53.4	1.6	0	53.4	1.6	1.6	1.6	17.1	101.9	123.2	79.1	102.5
Nellis AFB														
Reveille MOA	672	18.1	18.1	18.1	18.1	18.1	18.1	18.1	18.1	18.1	0	0	0	0
	673	19.2	19.2	19.2	19.2	19.2	19.2	19.2	19.2	19.2	0	0	0	0
Total		37.3	37.3	37.3	37.3	37.3	37.3	37.3	37.3	37.3	0	0	0	0
Caliente West	673	3	3	3	3	3	3	3	3	3	0	0	0	0
	675	26.8	26.8	26.8	26.8	26.8	26.8	26.8	26.8	26.8	0	0	0	0
	690	11.8	11.8	11.8	11.8	11.8	11.8	11.8	11.8	11.8	0	0	0	0
Total		41.6	41.6	41.6	41.6	41.6	41.6	41.6	41.6	41.6	0	0	0	0
Sally Corridor	690	23.6	23.6	23.6	23.6	23.6	23.6	23.6	23.6	23.6	0	0	0	0
	700	12.1	12.1	12.1	12.1	12.1	12.1	12.1	12.1	12.1	0	0	0	0
	720	5.7	5.7	5.7	5.7	5.7	5.7	5.7	5.7	5.7	0	0	0	0
Total		41.4	41.4	41.4	41.4	41.4	41.4	41.4	41.4	41.4	0	0	0	0
Caliente Alpha	690	9.2	9.2	9.2	9.2	9.2	9.2	9.2	9.2	9.2	0	0	0	0
Total		129.5	129.5	129.5	129.5	129.5	129.5	129.5	129.5	129.5	0	0	0	0
Grand Total		131.1	182.9	131.1	129.5	182.9	131.1	131.1	131.1	131.1	90.9	123.1	79	105.7

TABLE 3-2

MILES NEAR WILDERNESS AREAS AND WSAs

MIDPOINT TO DRY LAKE ALTERNATIVE ROUTES

	Alternative Routes										Distance from Route		
Wilderness/WSA	Route A	Route B	Route C	Route D	Route E	Route F	Route G	Utility	Agency Preferred	Link	0-1/4 MILE	1/4-1 MILE	1-3 MILES
Lower Salmon Falls Creek WSA						▨				64	4.3	5.8	8.1
Goshute Canyon WSA				▨			▨	▨	▨	241	0	1.5	5.8
								▨	▨	244	0	0	5.4
Goshute Peak WSA		▨			▨					226	1.3	2.0	1.1
										225	0	1.4	4.5
		▨			▨					224	0	0	0.9
		▨			▨					222	0	0	5.9
Bluebell WSA		▨			▨					222	2.4	2.5	9.8
South Pequop WSA	▨		▨	▨		▨	▨	▨	▨	190	0.7	2.5	7.6
										230	0	0	6.2
Delamar Mountain WSA	▨	▨	▨	▨	▨	▨	▨	▨	▨	690	23.0	0.8	1.6
										680	7.0	4.5	5.1
Evergreen WSA	▨	▨	▨	▨	▨	▨	▨	▨	▨	690	8.8	1.2	0
Meadow Valley Mountain WSA										680	0.0	4.1	16.4
Fish & Wildlife 1, 2, & 3 WSA	▨	▨	▨	▨	▨	▨	▨	▨	▨	690	0.5	0	0
	▨	▨	▨	▨	▨	▨	▨	▨	▨	700	0	12.0	0
	▨	▨	▨	▨	▨	▨	▨	▨	▨	720	4.0	6.8	7.8
										750	3.5	0.7	2.4
Arrow Canyon WSA	▨	▨	▨	▨	▨	▨	▨	▨	▨	720	4.3	3.2	4.1
										730	3.7	5.5	1.6
										740	1.5	0.5	1.2
										770	1.2	0.5	0.2
										750	3.5	0.7	2.4

TABLE 3-3

MILES NEAR WILDERNESS AREAS AND WSAs

ELY TO DELTA ALTERNATIVE ROUTES

	Alternative Routes					Distance from Routes		
Wilderness/WSA	Direct	Cutoff	*230 Corridor	Southern	Link	0-1/4 MILE	1/4-1 MILE	1-3 MILES
Mount Moriah Wilderness				▨	267	0	0	2.6
Mount Grafton WSA				▨	364	0.4	4.1	5.3
Marble Canyon WSA	▨	▨			267	0	0.4	9.0
Wah Wah Mountains WSA				▨	451	0	0	0.9
King Top WSA				▨	451	3.0	0.1	6.1
Notch Peak WSA				▨	451	4.4	2.3	1.1
					480	3.2	0.6	0
		▨	▨		462	6.2	0.9	1.7
Howell Peak WSA		▨	▨		462	2.4	2.6	2.4
		▨	▨		470	0.8	0.4	1.7
					480	0.2	0.1	0.3
Swasey Mountain WSA		▨	▨		470	0	0	5.3
	▨				630	0	0	3.1
Fish Springs WSA	▨				630	0	0	4.8

* Agency Preferred Alternative

TABLE 3-4

MILES THROUGH HERD MANAGEMENT AREAS

MIDPOINT TO DRY LAKE SEGMENT

Herd Management Area (HMA)	Alternative Routes									Link	MILES WITHIN HMA
	Route A	Route B	Route C	Route D	Route E	Route F	Route G	Utility	Agency Preferred		
Toano HMA		■			■					222	6.2
Goshute HMA		■			■					222	9.0
Spruce-Pequop HMA				■						190	7.9
Cherry Creek HMA				■			■	■	■	241	14.7
								■	■	242	0.9
				■			■			243	0.6
							■	■	■	244	1.0
Antelope Valley HMA		■			■					226	22.0
	■		■	■		■	■	■	■	230	0.8
				■			■	■	■	241	15.0
	■		■			■				250	20.9
Antelope HMA		■			■					226	8.6
				■			■			245	3.0
	■		■			■				250	3.8
	■	■	■		■	■				259	6.0
	■	■	■		■	■				260	4.7
	■	■	■	■	■	■	■			261	4.9
Butte HMA		■					■	■		280	23.4
	■		■	■	■	■			■	293	6.5
Jakes Wash HMA										331	2.1
										332	2.7
	■	■	■	■	■	■	■	■	■	340	5.8
										361	23.0
	■	■	■	■	■	■	■	■	■	362	9.9
	■	■	■	■	■	■	■	■	■	363	11.7
										660	2.8
	■	■	■	■	■	■	■	■	■	669	0.7
White River HMA	■	■	■	■	■	■	■	■	■	669	13.6
Seaman HMA	■	■	■	■	■	■	■	■	■	670	3.4
										671	20.5
	■	■	■	■	■	■	■	■	■	672	6.1
Dry Lake HMA										671	21.2
	■	■	■	■	■	■	■	■	■	672	5.3
	■	■	■	■	■	■	■	■	■	673	20.5
										674	23.1

TABLE 3-5

MILES THROUGH HERD MANAGEMENT AREAS

ELY TO DELTA SEGMENT

Herd Management Area (HMA)	*Alternative Routes*					
	Direct	Cutoff	*230 Corridor	Southern	Link	MILES WITHIN HMA
Confusion HMA	▨				630	21.1 (7.6)
Swasey HMA	▨				630	6.9 (0.2)
Conger HMA		▨			268	8.0 (2.5)
			▨		461	6.8
		▨	▨		462	7.5
Antelope HMA	▨	▨			262	4.1
	▨	▨			263	9.6
					264	10.4
	▨	▨			265	4.0
	▨	▨			266	6.9
					610	4.9
Jakes Wash HMA				▨	364	4.1
Moriah HMA		▨			267	5.4
					610	6.0
			▨		620	7.9
King Top HMA				▨	451	6.2
Burbank Hills HMA				▨	451	6.9

Note : ( ) miles of area in high concern

* Agency Preferred Alternative

TABLE 3-6

Cultural Resource Data By Link

GISID	Site Number	Class	Type	Sensitivity	Comments
Link 463					
28010	Snake Valley	Ethnohistoric	Goshute habitation area	Moderate	Malouf 1974:280
	CR5320	Historic	Trash	Moderate	early 1900s bottles and cans; project 921p
	26WP1930/CR5638	Historic	Concrete footings & trash	Moderate-High	mill site associated with Black Horse mine; ca 1903-1913; project 928p
	26WP1931/CR5639	Historic	Dump	Moderate	about 85 bottles & 300 cans; ca 1900-1950; project 928p
Link 464					
7804	26WP1557/CR2544	Prehistoric	Artifact scatter	Moderate	<100 jasper & obsidian flakes; <20 Shoshone sherds; possible mano; project 555p
7804	26WP1558/CR2541	Prehistoric	Isolate	Moderate	jasper flake; project 555p
7804	26WP1560/CR2543	Prehistoric	Isolate	Moderate	4 flakes; project 555p
7804	26WP1561/CR2540	Prehistoric	Artifact scatter	Moderate	<100 jasper & chert flakes; project 555p
7804	26WP1637/CR2714	Prehistoric	Lithic scatter	Moderate	6 jasper flakes; project 555p
28010	Snake Valley	Ethnohistoric	Goshute habitation area	Moderate	Malouf 1974:280
Link 465					
28010	Snake Valley	Ethnohistoric	Goshute habitation area	Moderate	Malouf 1974:280
Link 466					
28010	Snake Valley	Ethnohistoric	Goshute habitation area	Moderate	Malouf 1974:280
Link 467					
9904	26WP1380/CR781	Historic	Trash	Moderate	about 50 cans; also 1 obsidian flake
9905	CR5631	Prehistoric	Artifact scatter	Moderate	project 928p
9906	CR5454	Prehistoric	Isolate	Low	1 flake, 1 shatter; project 315p
9907	CR5417	Prehistoric	Isolate	Low	quartzite lithic debris; project 315p
9907	CR5418	Prehistoric	Isolate	Low	projectile point, lithic debris; project 315p

Table 3-6, Cultural Resource Data by Link (Continued)

GISID	Site Number	Class	Type	Sensitivity	Comments
Link 467 (Cont'd.)					
9908	CR5461	Prehistoric	Isolate	Low	2 flakes
9908	CR5462	Prehistoric	Isolate	Low	obsidian flake
9908	CR5463	Prehistoric	Isolate	Low	quartz core
28010	Snake Valley	Ethnohistoric	Goshute habitation area	Moderate	Malouf 1974:280
Link 468					
28010	Snake Valley	Ethnohistoric	Goshute habitation area	Moderate	Malouf 1974:280
Link 469					
	CR5322	Historic	Ranch house	Moderate-High	1880s adobe; project 921p
28010	Snake Valley	Ethnohistoric	Goshute habitation area	Moderate	Malouf 1974:280
Link 471					
	CR767	Prehistoric	Lithic scatter	Moderate	about 30 flakes; 1 projectile point fragment; project 315p
	CR768	Historic	Corral and chute	Moderate	may not be 50 years old; project 315p
	CR769	Prehistoric	Artifact scatter	Moderate	flakes and several project point fragments (Desert side-notched, Rosegate, large corner notched); 2 Snake Valley Gray sherds; project 315p
	CR773	Prehistoric	Lithic scatter	Moderate	several hundred obsidian biface thinning flakes; Rosegate and Humboldt concave base point fragments; project 315p
	CR5405	Prehistoric	Isolate	Low	<10 flakes; project 315p
	CR5406	Prehistoric	Isolate	Low	chert flake; project 315p
	CR5407	Prehistoric	Isolate	Low	obsidian biface; project 315p
	CR5408	Prehistoric	Isolate	Low	chert flake; project 315p
	CR5409	Prehistoric	Isolate	Low	obsidian point fragment; project 315p
	CR5410	Prehistoric	Isolate	Low	obsidian flake; project 315p
	CR5411	Prehistoric	Isolate	Low	obsidian flake; project 315p
	CR5412	Prehistoric	Isolate	Low	obsidian flake; project 315p
	CR5413	Prehistoric	Isolate	Low	1 chert and 1 quartzite flake; project 315p
	CR5414	Prehistoric	Artifact scatter	Moderate	Shoshone pot drop & 1 obsidian flake; project 315p

Table 3-6, Cultural Resource Data by Link (Continued)

GISID	Site Number	Class	Type	Sensitivity	Comments
Link 471 (Cont'd.)					
	CR5415	Prehistoric	Isolate	Low	1 chert and 1 obsidian flake; project 315p
	CR5416	Prehistoric	Isolate	Low	basalt scraper; project 315p
28010	Snake Valley	Ethnohistoric	Goshute habitation area	Moderate	Malouf 1974:280
Link 472					
28010	Snake Valley	Ethnohistoric	Goshute habitation area	Moderate	Malouf 1974:280
Link 473					
28010	Snake Valley	Ethnohistoric	Goshute habitation area	Moderate	Malouf 1974:280

Table 3-6, Cultural Resource Data by Link (Continued)

GISID	Site Number	Class	Type	Sensitivity	Comments
Link 471 (Cont'd.)					
	CR5415	Prehistoric	Isolate	Low	1 chert and 1 obsidian flake; project 315p
	CR5416	Prehistoric	Isolate	Low	basalt scraper; project 315p
28010	Snake Valley	Ethnohistoric	Goshute habitation area	Moderate	Malouf 1974:280
Link 472					
28010	Snake Valley	Ethnohistoric	Goshute habitation area	Moderate	Malouf 1974:280
Link 473					
28010	Snake Valley	Ethnohistoric	Goshute habitation area	Moderate	Malouf 1974:280

TABLE 3-7

Cultural Resources Recorded Along the Sacramento Pass Subroutes

Resource Sensitivities	Subroute 1	Subroute 2	Subroute 3	Subroute 4
Prehistoric				
Low	11 (isolates)	13 (isolates)	13 (isolates)	8 (isolates)
Moderate	4 (lithic or artifact scatters)	7 (lithic or artifact scatters)	7 (lithic or artifact scatters)	4 (lithic or artifact scatters)
Ethnohistoric				
Moderate	1 (habitation area)	1 (habitation area)	1 (habitation area)	1 (habitation area)
Historic				
Moderate	3 (trash sites and a corral)	1 (corral)	1 (corral)	1 (trash)
Moderate-High	2 (ranch and mill site)	1 (ranch)		
All Resources				
Low	11	13	13	8
Moderate	8	9	9	6
Moderate-High	2	1	0	0
Totals	21	23	22	14

TABLE 3-8

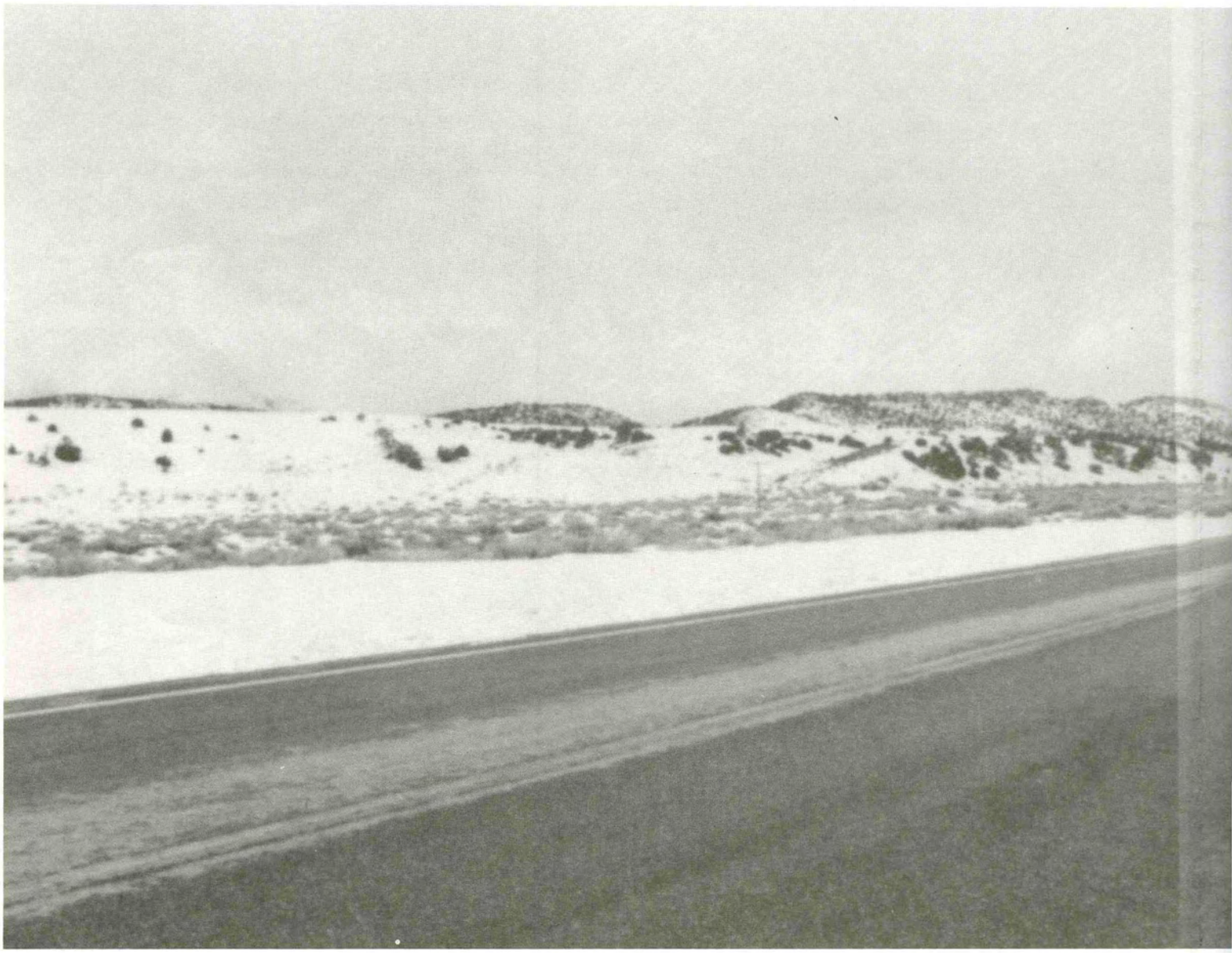
Cultural Resources Along the Sacramento Pass Subroutes

Resource Sensitivities	Subroute 1	Subroute 2	Subroute 3	Subroute 4
Prehistoric				
Low	11 (isolates)	13 (isolates)	13 (isolates)	8 (isolates)
Moderate	4 (lithic or artifact scatters)	7 (lithic or artifact scatters)	7 (lithic or artifact scatters)	4 (lithic or artifact scatters)
Ethnohistoric				
Moderate	1 (habitation area)	1 (habitation area)	1 (habitation area)	1 (habitation area)
Historic				
Moderate	3 (trash sites and a corral)	1 (corral)	1 (corral)	1 (trash)
Moderate-High	2 (ranch and mill site)	1 (ranch)		
All Known Resources				
Low	11	13	13	8
Moderate	8	9	9	6
Moderate-High	2	1	0	0
Totals	21	23	22	14
Predicted Sensitivities				
None	9.4	8.8	9.0	8.9
Low	3.8	3.2	2.3	1.1
Moderate	5.9	4.8	4.5	3.8
Moderate-High	1.4	4.9	4.9	5.6
Total Miles	20.5	21.7	20.7	19.4

TABLE 3-9

Summary of Cultural Resource Impacts

	None	Low	Moderate	Moderate-High	Total Miles
Subroute 1					
Direct Construction Impacts on Known Sites	20.5	0	0	0	20.5
Direct Construction Impacts on Predicted Sensitivity Zones	9.0	5.0	6.5	0	20.5
Public Accessibility Increase	20.5	0	0	0	20.5
Subroute 2					
Direct Construction Impacts on Known Sites	19.7	0.3	1.7	0	21.7
Direct Construction Impacts on Predicted Sensitivity Zones	8.4	4.3	9.0	0	21.7
Public Accessibility Increase	17.1	2.0	0	0	21.7
Subroute 3					
Direct Construction Impacts on Known Sites	18.7	0.3	1.7	0	20.7
Direct Construction Impacts on Predicted Sensitivity Zones	8.6	4.3	7.8	0	20.7
Public Accessibility Increase	17.6	2.0	0	0	20.7
Subroute 4					
Direct Construction Impacts on Known Sites	17.4	0.3	1.7	0	19.4
Direct Construction Impacts on Predicted Sensitivity Zones	8.9	3.4	7.1	0	19.4
Public Accessibility Increase	16.9	2.0	0	0	19.4



Prepared by: Dames & Moore

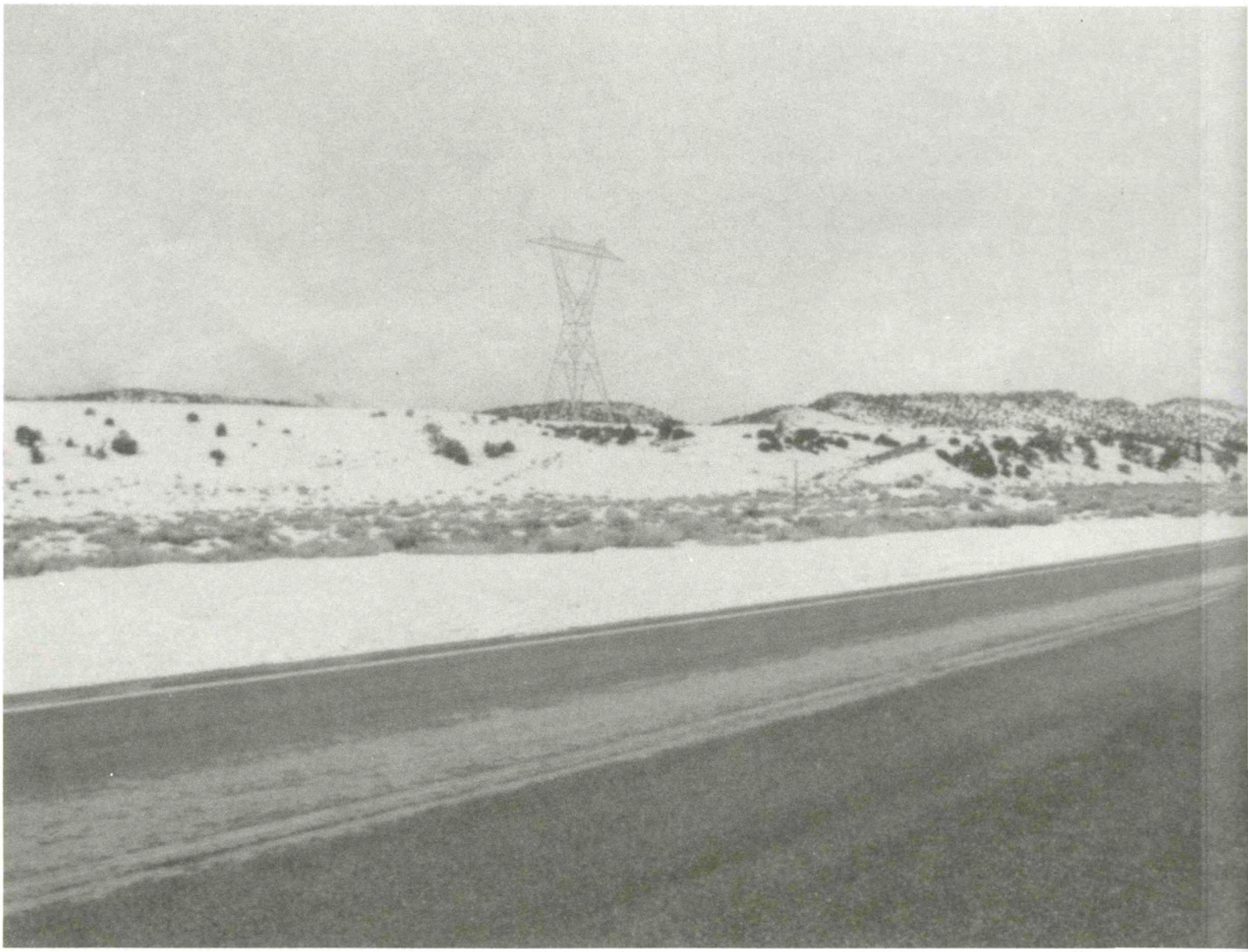
Southwest Intertie Project

SACRAMENTO PASS MITIGATION REROUTE

Subroute 1 - Crossing of U.S. Highway 6/50 (Link 463)

EXISTING CONDITIONS

Figure 3-13



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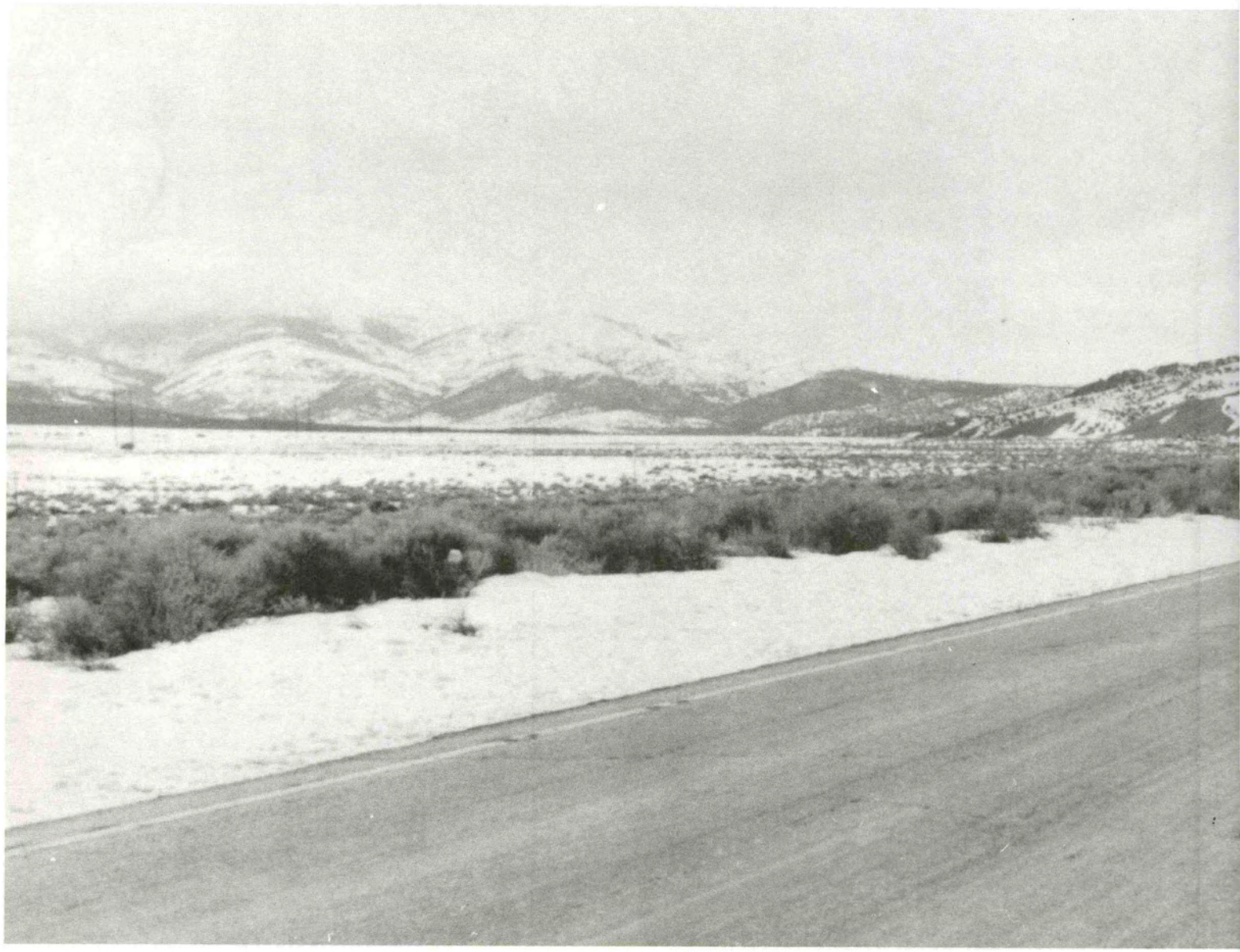
Southwest Intertie Project

SACRAMENTO PASS MITIGATION REROUTE

Subroute 1 - Crossing of U.S. Highway 6/50 (Link 463)

SIMULATION

Figure 3-14



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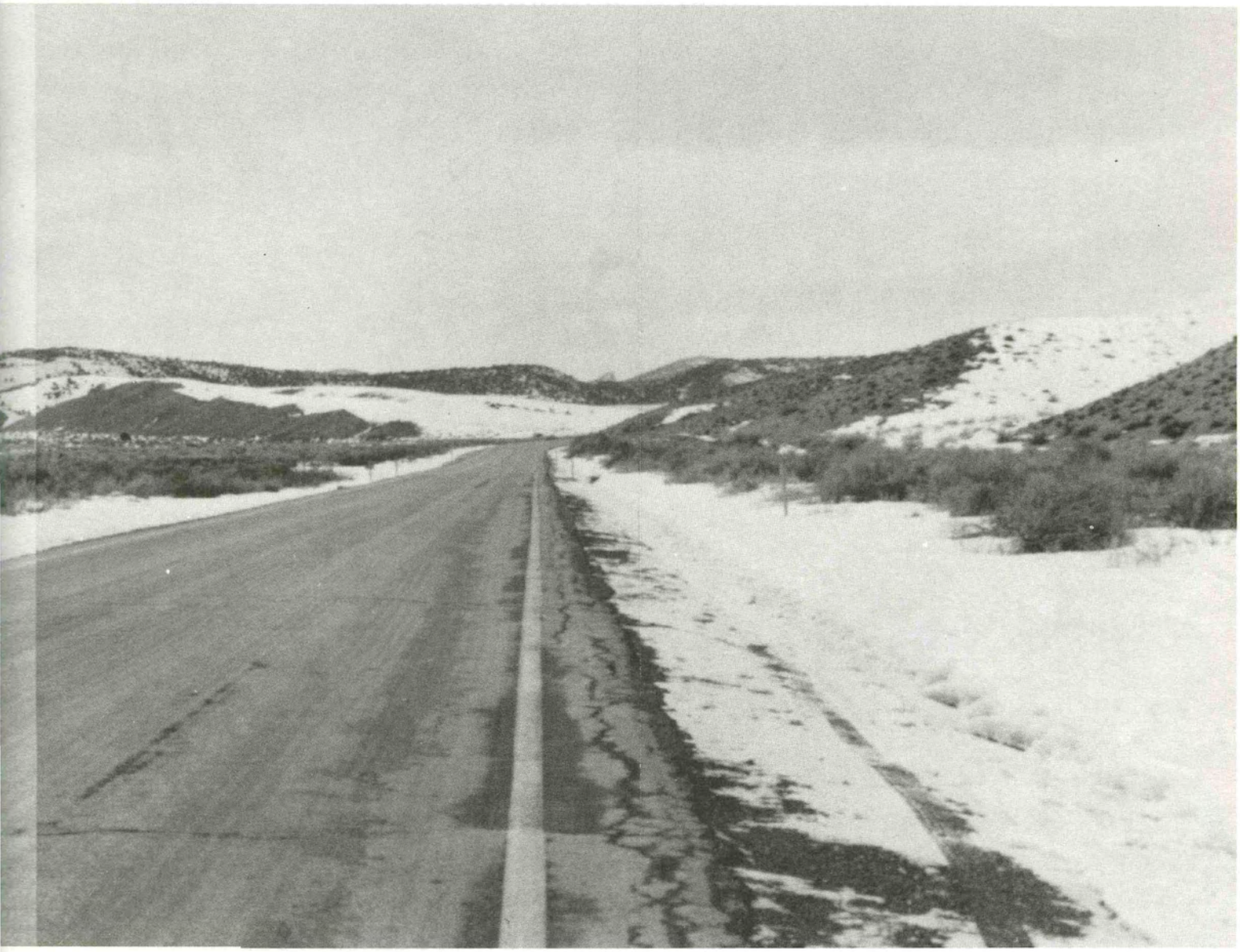
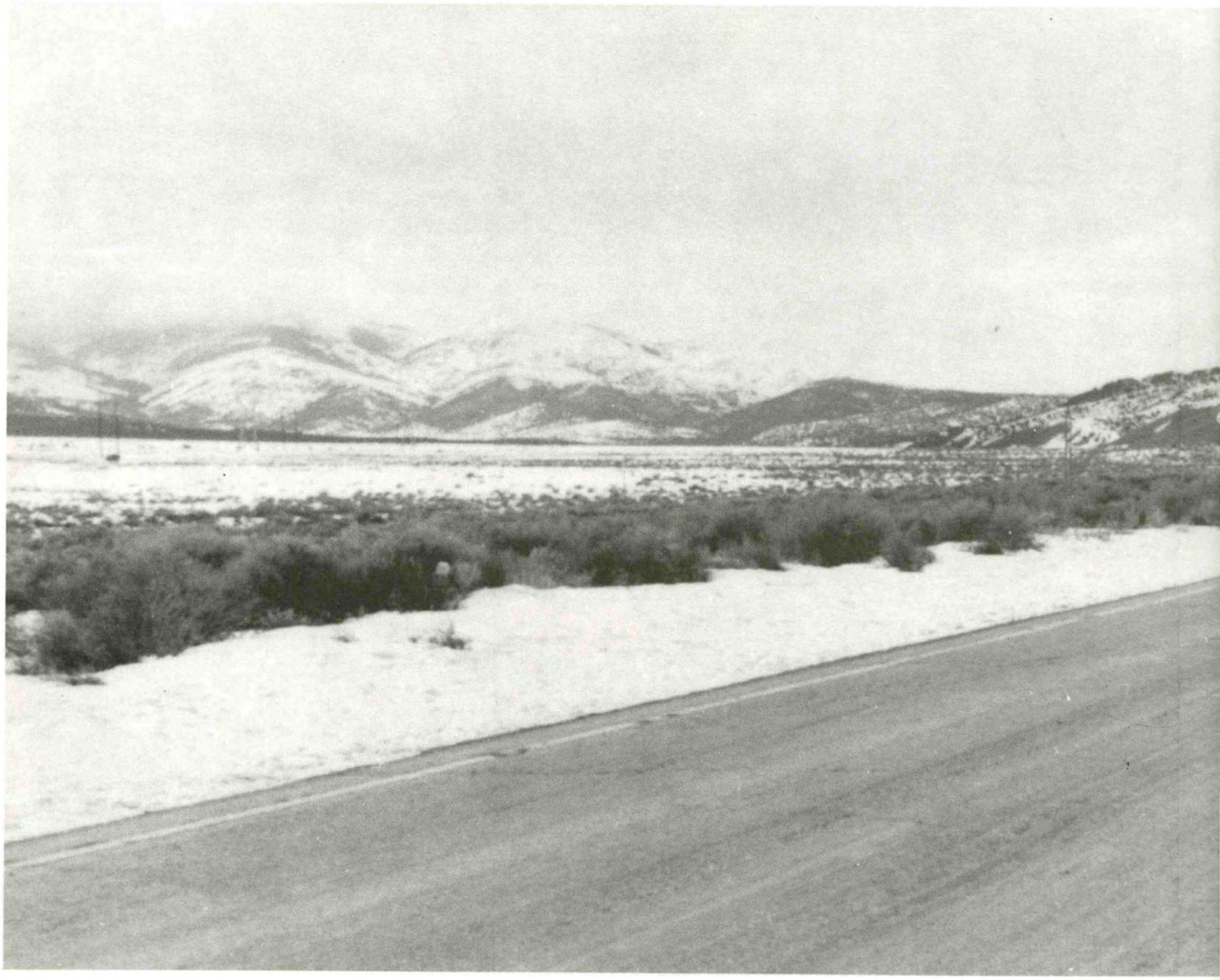


SACRAMENTO PASS MITIGATION REROUTE

Subroute 2 - Crossing of U.S. Highway 6/50 (Link 465)

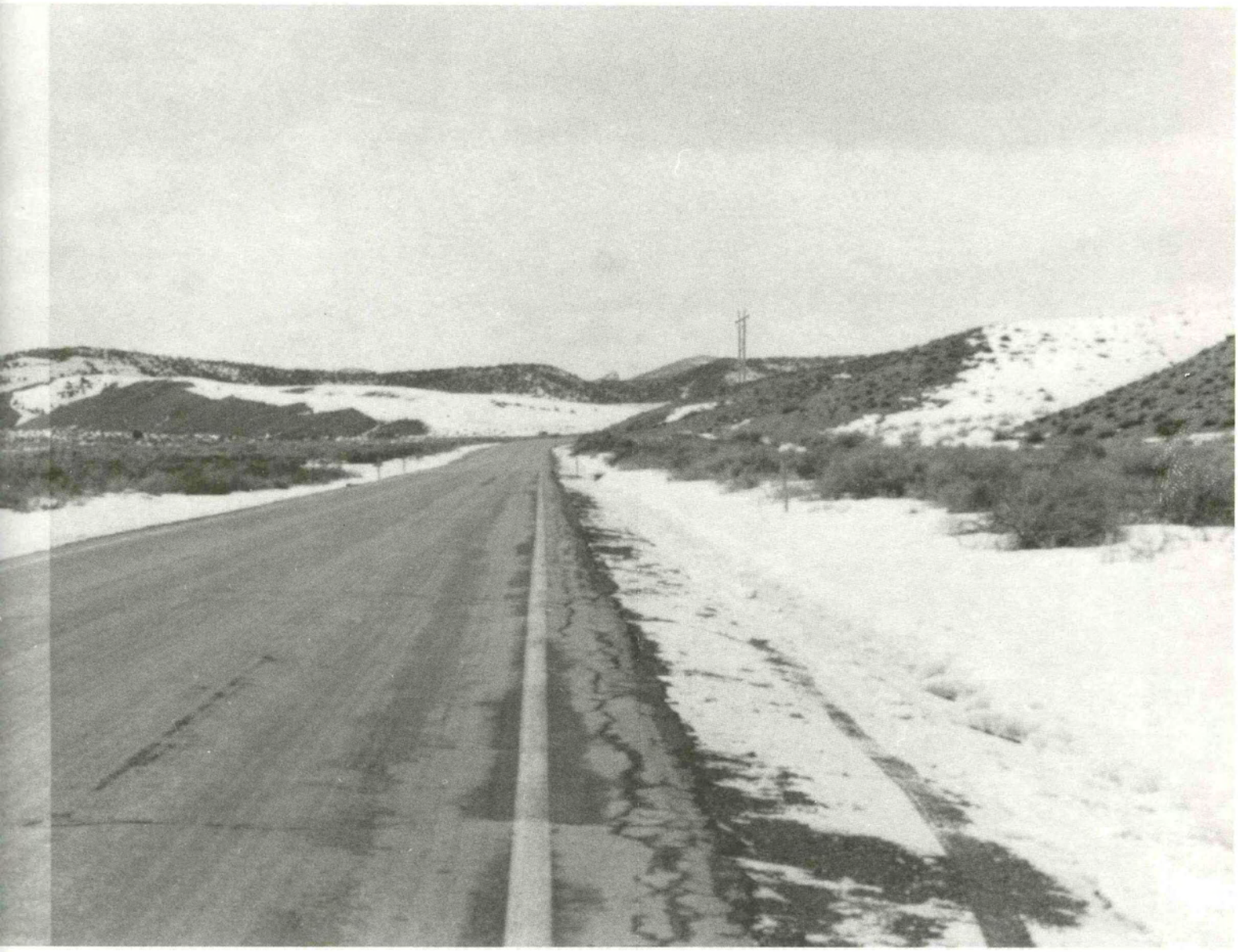
EXISTING CONDITIONS

Figure 3-15



Prepared by: Dames & Moore

Southwest Intertie Project

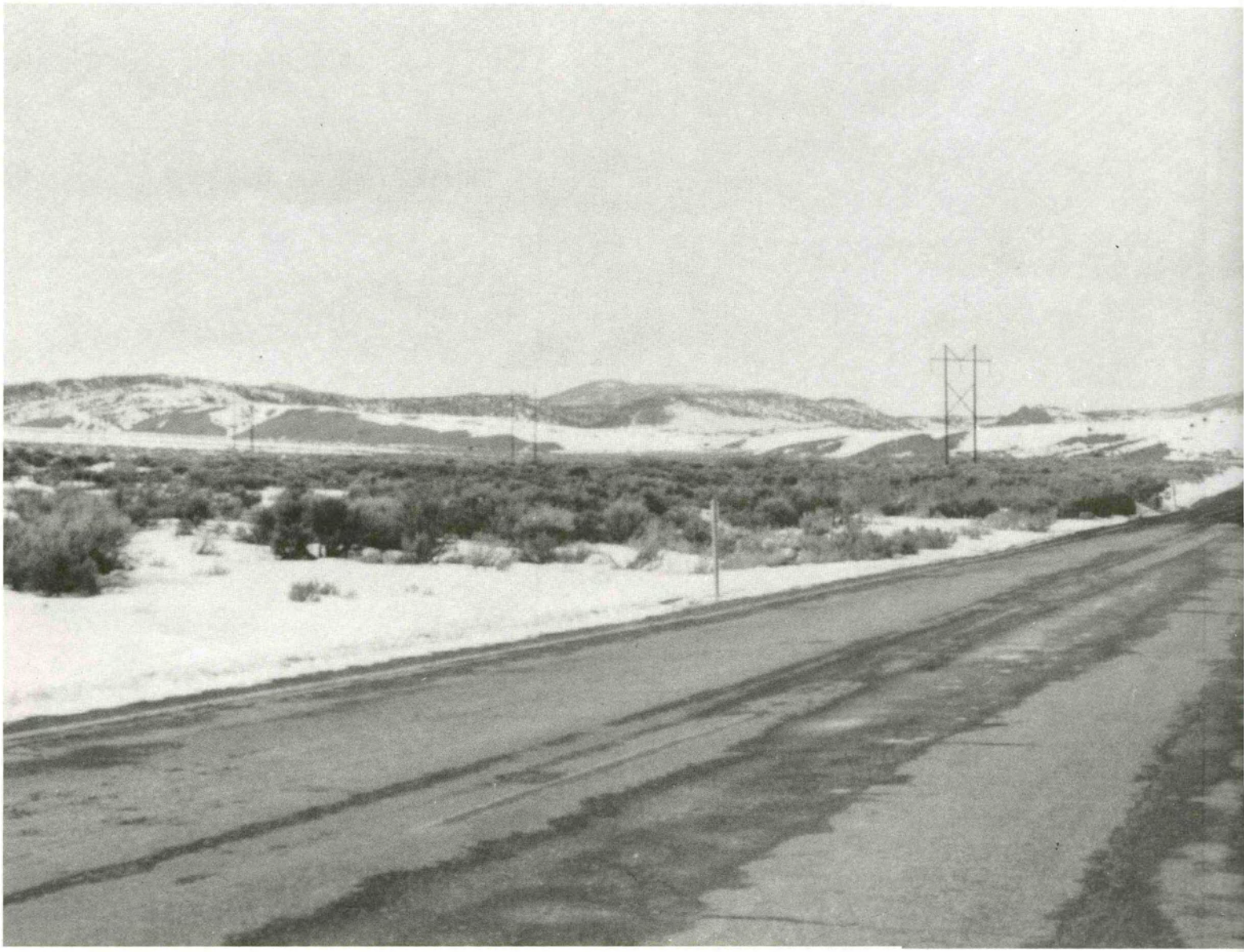


SACRAMENTO PASS MITIGATION REROUTE

Subroute 2 - Crossing of U.S. Highway 6/50 (Link 465)

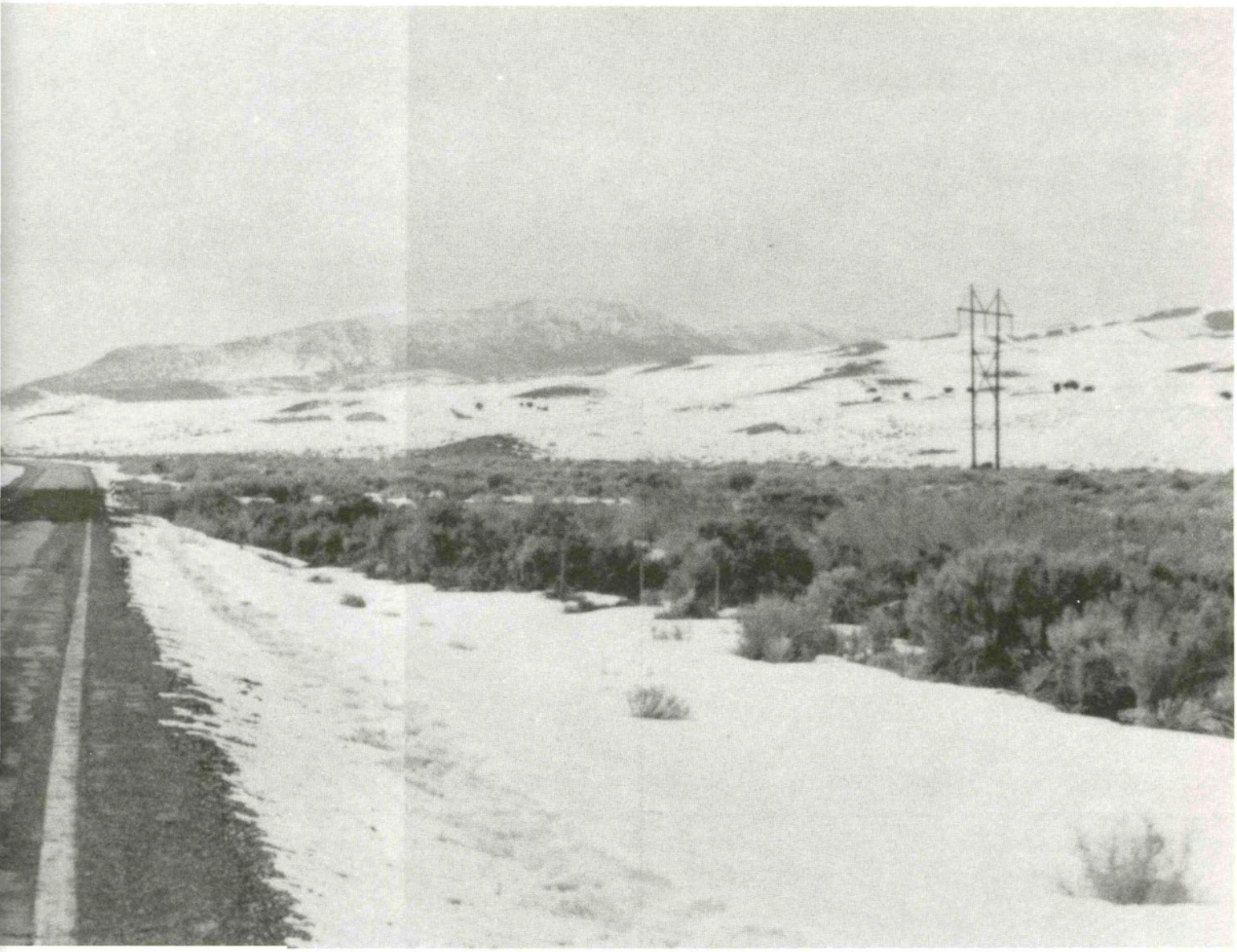
SIMULATION

Figure 3-16



Prepared by: Dames & Moore

Southwest Intertie Project

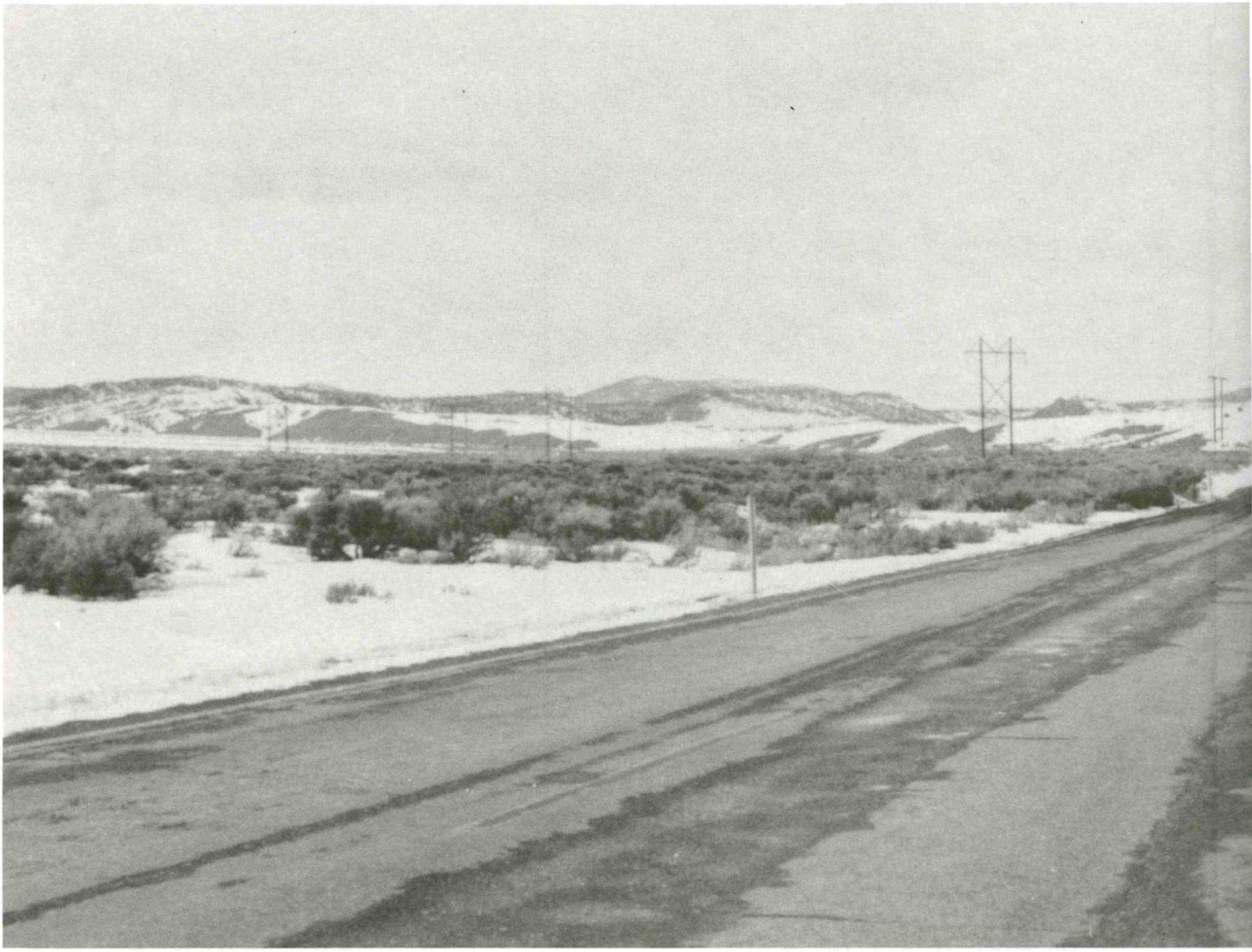


SACRAMENTO PASS MITIGATION REROUTE

Subroute 3 and 4 - Crossing of U.S. Highway 6/50 (Link 467 & 468)

EXISTING CONDITIONS

Figure 3-17



Prepared by: Dames & Moore

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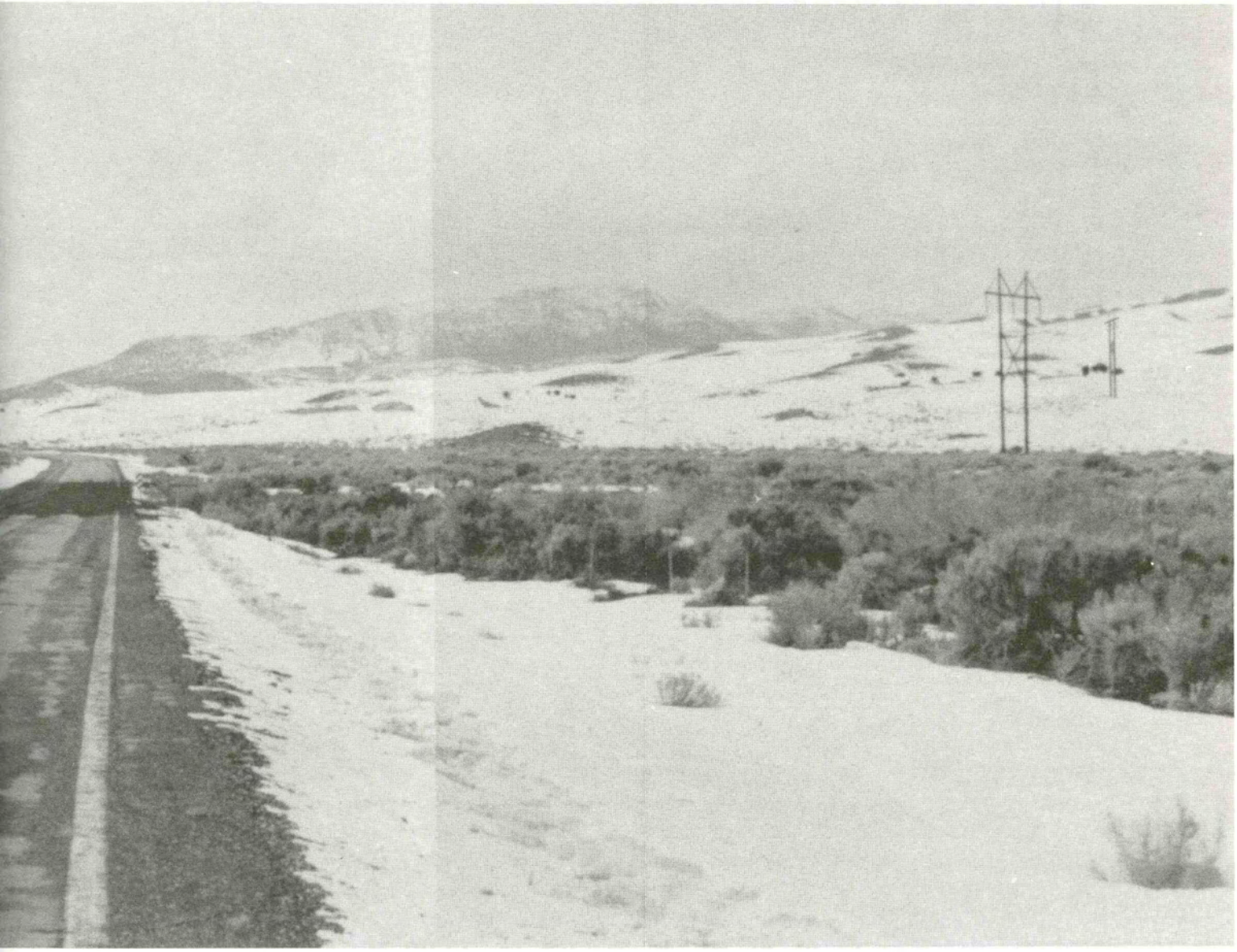
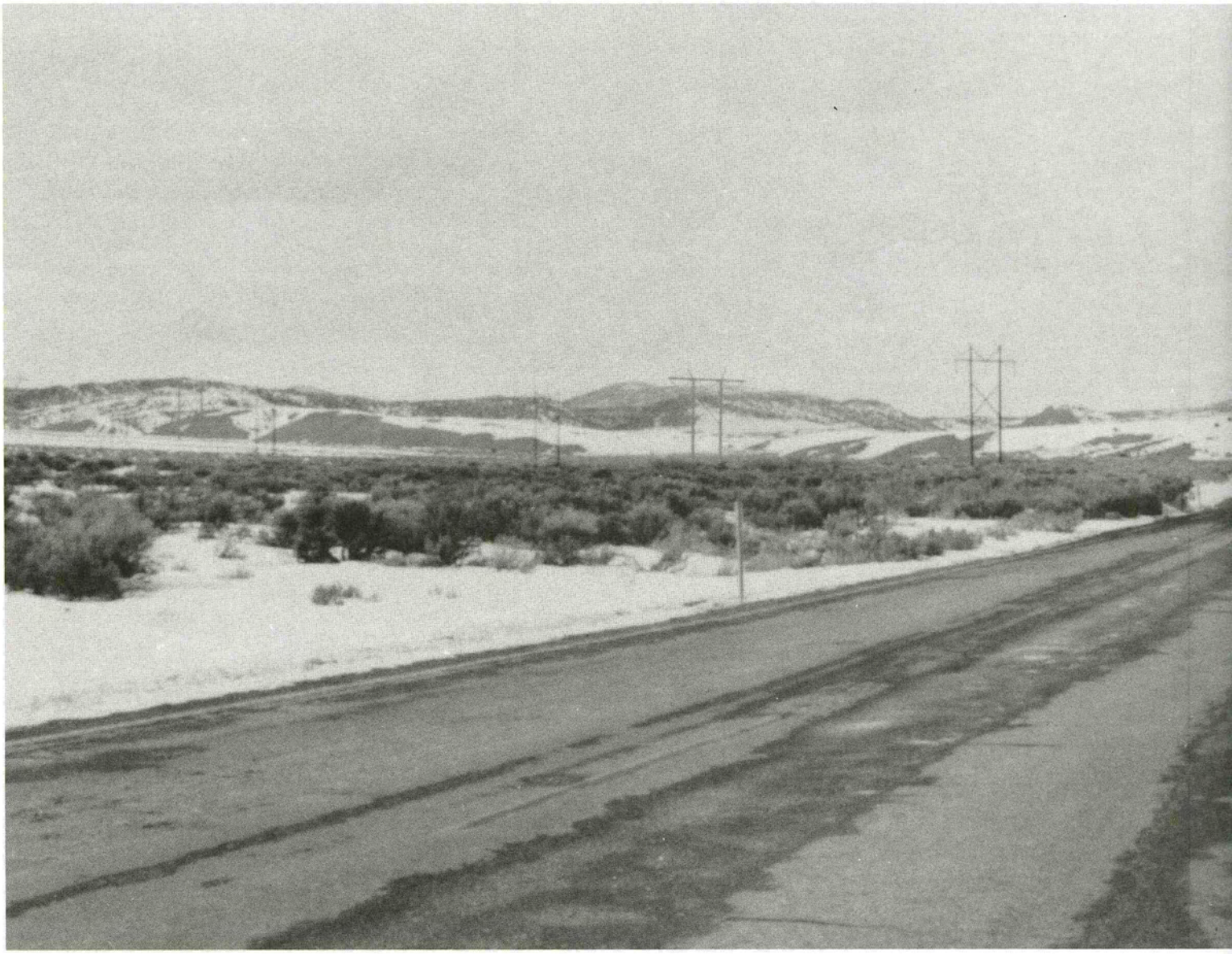


SACRAMENTO PASS MITIGATION REROUTE

Subroute 3 - Crossing of U.S. Highway 6/50 (Link 468)

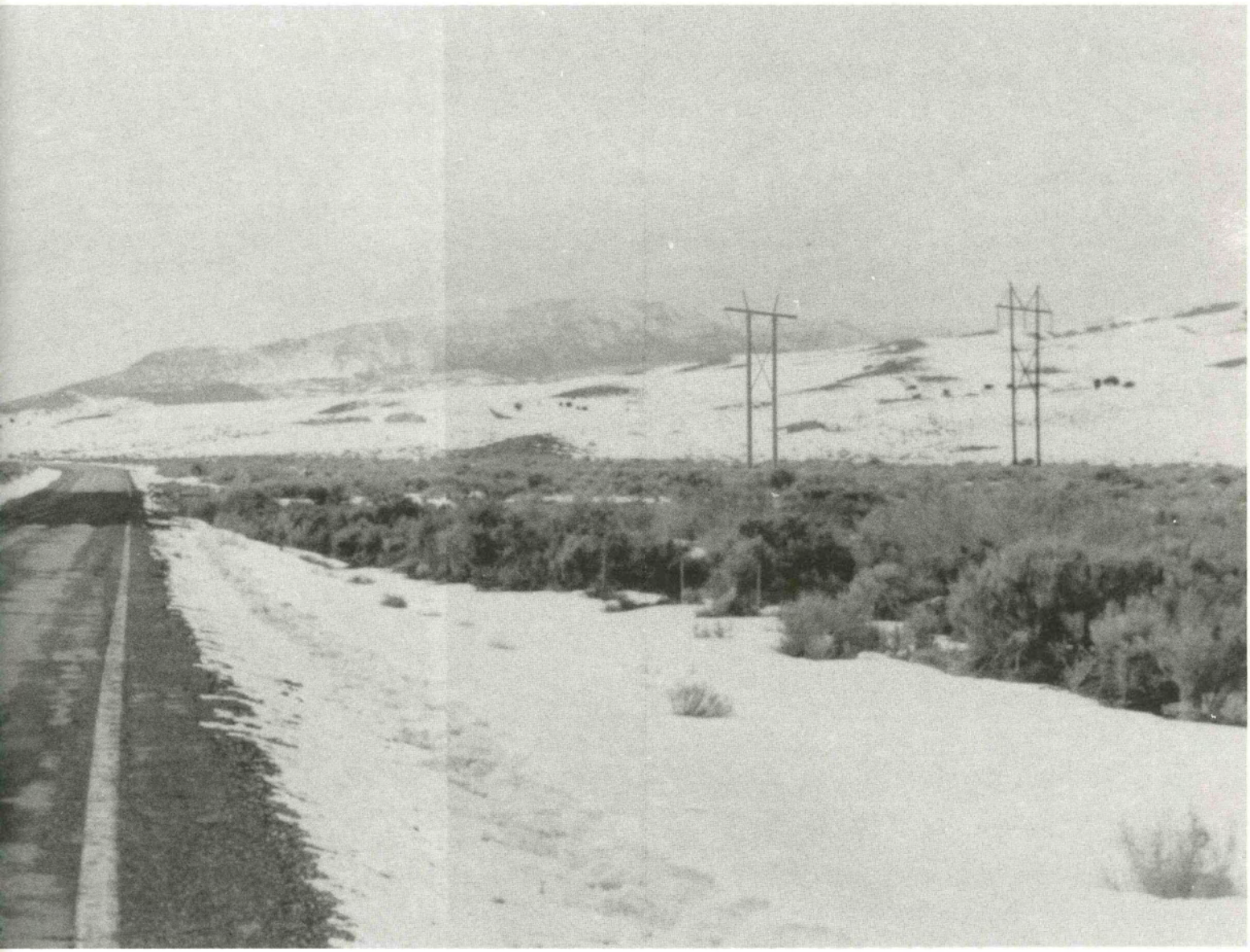
SIMULATION

Figure 3-18



Prepared by: Dames & Moore

Southwest Intertie Project



SACRAMENTO PASS MITIGATION REROUTE

Subroute 4 - Crossing of U.S. Highway 6/50 (Link 467)

SIMULATION

Figure 3-19