
Appendix F
Diamond Project Road Survey

Table F-1. Diamond Project road survey for alternatives B and C.

	Reconstruction	Chip Van Access	Priority	Road #	MP	MP	Mi	Begin Project	End Project	Maintenance Level	Surface Type	Brush			Drainage				Curver	Other	Notes	Total/Mi	Total	PA Total	02/14/06	
												Light	Moderate	Heavy	Few Dips/M	Many Dips/M	Number of Pipes	Low Water								
Cost per mile												2,500	4,000	6,000	5,000	8,000	2,000	1,000	500	Cost						
B	N	L		28N02	1.6	5.3	3.7	PC 213	Sheep camp	2	N	1			1								\$7,500	\$27,750		
B	N	M		28N02	5.3	9.6	4.3	Sheep camp	28N03	2	N		1		1								\$9,000	\$38,700		
B	Y	O		28N03	4.6	9.8	5.2	28N02	PC 213	2	N												\$0	\$0		
B	Y	O		28N08	9.8	19.4	9.6			3	A												\$0	\$0		
B	Y	O		28N15	0.0	0.8	0.8	28N02E	28N15F	2	A												\$0	\$0		
B	N	L		28N15	0.8	4.6	3.8	28N15F	28N02W	2	N				1				\$5,000	R Dips		\$6,316	\$24,000			
B	N	O		28N15A	0.0	1.4	1.4			2	N										Lookout		\$0	\$0		
B	Y	O		28N15B	0.0	0.3	0.3			2	N										Rock source		\$0	\$0		
B	N	H		28N23	0.0	0.7	0.7			2	N			1	1								\$11,000	\$7,700		
B	N	O		PC 213	0.0	7.8	7.8	28N30	28N08	3	N												\$0	\$0		
																								\$98,150	\$0	
X							1																		\$0	\$0
X							0.0																		\$0	\$0
																									\$0	\$0
F	X	Y	M	27N09A	0.0	1.0	1.0			2	N		1		1				\$16,500	Relocate		\$29,010	\$28,140	\$28,140		
F	X	Y	M	27N09E	0.0	0.5	0.5			2	N		1		1							\$9,000	\$4,500	\$4,500		
F	Y	L		27N72	0.0	1.2	1.2	28N30	27N72C	2	N	1										\$2,500	\$3,000			
F	X	Y	M	27N72	1.2	2.5	1.3	27N72C	27N30C	2	N		1		1							\$12,000	\$15,600	\$15,600		
F	X	Y	M	27N77	0.0	1.2	1.2			2	N		1		1				\$2,000	Relocate		\$13,739	\$15,800	\$15,800		
F	X	Y	H	28N03	0.0	0.1	0.1	28N30	PVT SEC 35	2	N								\$10,000	Relocate		\$100,000	\$10,000	\$10,000		

Table F-1. Diamond Project road survey for alternatives B and C (continued).

	Reconstruction	Chip Van Access	Priority	Road #	MP	MP	Mi	Begin Project	End Project	Maintenance Level	Surface Type	Brush			Drainage				Other	Notes	Total/Mi	Total	PA Total	02/14/06					
												Light	Moderate	Heavy	Few Dips/M	Many Dips/M	Number of Pipes	Low Water							Curver	Cost			
Cost per mile												2,500	4,000	6,000	5,000	8,000	2,000	1,000	500	Cost									
F		Y	L	28N03	1.1	4.6	3.5	PVT SEC 35	28N02	2	N				1							\$5,000	\$17,500						
F	X	Y	M	28N30	2.7	4.1	1.4	28N40	27N72	2	A		1				1					\$4,714	\$6,600	\$6,600					
F		Y	L	28N30	4.2	6.3	2.1	27N72	29N46	2	N	1										\$2,500	\$5,250						
F	X	Y	M	28N30B	0.0	1.8	1.8			2	N		1	1					WB		\$9,000	\$16,200	\$16,200						
F	X	Y	M	28N30B1	0.0	0.8	0.8			2	N		1	1					WB		\$9,000	\$7,200	\$7,200						
F		Y	L	28N30C	0.0	1.2	1.2			2	N		1	1					WB		\$9,000	\$10,800							
F		Y	L	28N30C1	0.0	0.9	0.9			2	N		1						WB		\$4,000	\$3,600							
F		Y	L	28N48	0.0	1.1	1.1			2	N			1							\$5,000	\$5,500							
F		Y	L	29N46	7.7	9.8	2.1	28N03	28N08	3	A	1									\$2,500	\$5,250							
																						\$154,940	\$104,040						
																						\$154,940	\$104,040						
	X						1			sales × 9363.6 / sale								Mobilization					\$9,364	\$9,364					
	X						8.0			miles × 3333 / mi								Engineering Deposits						\$26,731	\$26,731				
																								\$140,134					
M		Y	O	26N10	0.0	1.6	1.6			3	A											\$0	\$0						
M		Y	O	26N10	1.6	2.9	1.3			3	N											\$0	\$0						
M	X	N	H	26N10	2.9	4.0	1.1	26N99	26N10A	2	N	1			1			0				\$10,500	\$11,550	\$11,550					
M		N	H	26N10A	0.0	0.9	0.9			1	N		1		1	2						\$16,444	\$14,800						
M		N	H	26N10A	0.9	1.4	0.5			1	N			1				1				\$15,000	\$7,500						

Table F-1. Diamond Project road survey for alternatives B and C (continued).

	Reconstruction	Chip Van Access	Priority	Road #	MP	MP	Mi	Begin Project	End Project	Maintenance Level	Surface Type	Brush			Drainage				Other	Notes	Total/Mi	Total	PA Total	02/14/06	
												Light	Moderate	Heavy	Few Dips/M	Many Dips/M	Number of Pipes	Low Water							Curver
M	Y	L		26N24	0.0	0.7	0.7			2	N		1		1							\$9,000	\$6,300		
M	X	Y	H	26N45	0.0	4.9	4.9			2	N		1		1							\$11,041	\$54,100	\$54,100	
M	X	Y	H	26N46	0.0	2.2	2.2			2	N	1			1							\$10,727	\$23,600	\$23,600	
M	Y	L		26N54	1.8	5.0	3.2			2	N	1			1					Close		\$7,500	\$24,000		
M	Y	L		26N54B	0.0	1.6	1.6			2	N		1							Close		\$4,000	\$6,400		
M	X	Y	H	26N99	0.0	2.0	2.0			2	A/N				1							\$8,500	\$17,000	\$17,000	
M	N	O		27N06	0.0	0.0	1.4			2	N		1		1					WB-Close		\$9,000	\$12,600		
M	Y	O		27N07	0.0	2.0	2.0	27N09	27N56	2	N											\$0	\$0		
M	Y	L		27N07	2.0	2.8	0.8	27N56	27N07B	2	N	1										\$2,500	\$2,000		
M	Y	O		27N07	2.8	4.1	1.3	27N07B	27N07C	2	N/A											\$0	\$0		
M	Y	O		27N09	0.0	5.2	5.2	28N03	27N56	3	A											\$0	\$0		
M	Y	O		27N09	5.2	6.9	1.7	26N56	SEC 25	3	N											\$0	\$0		
M	Y	O		27N09	6.9	8.3	1.4	SEC 25	S 30/31	3	A											\$0	\$0		
M	Y	H		27N09	8.3	12.0	3.7	S 30/31	26N54	3	N									Rock		\$0	\$0		
M	Y	O		27N09	12.0	13.8	1.8	26N54	29N43	3	A											\$0	\$0		
M	N	L		27N09C	0.0	0.7	0.7			2	N		1									\$4,000	\$2,800		
M	X	Y	M	27N09D	0.0	3.7	3.7			2	N		1		1							\$9,811	\$36,300	\$36,300	
M	Y	L		27N10	0.0	2.5	2.5	27N09	SEC 35	3	N	1										\$2,500	\$6,250		
M	Y	L		27N10	2.5	3.8	1.3	SEC 35	S 36/1	3	N		1									\$4,000	\$5,200		
M	Y	L		27N10	3.8	5.1	1.3	S 36/1	27N53	3	A	1										\$2,500	\$3,250		
M	X	Y	M	27N34	0.0	0.6	0.6			2	N	1			1							\$8,333	\$5,000	\$5,000	
M	X	Y	H	27N42	0.0	4.0	4.0			2	N		1		1							\$9,250	\$37,000	\$37,000	
M	N	M		27N45	0.0	4.6	4.6			2	N	1			1							\$7,500	\$34,500		
M	N	O		27N48	0.0	1.0	1.0			2	N											\$0	\$0		

Table F-1. Diamond Project road survey for alternatives B and C (continued).

	Reconstruction	Chip Van Access	Priority	Road #	MP	MP	Mi	Begin Project	End Project	Maintenance Level	Surface Type	Brush			Drainage				Curver	Other	Notes	Total/Mi	Total	PA Total	02/14/06		
												Light	Moderate	Heavy	Few Dips/M	Many Dips/M	Number of Pipes	Low Water									
Cost per mile												2,500	4,000	6,000	5,000	8,000	2,000	1,000	500	Cost							
W	Y	L		28N02C	1.7	2.7	1.0			2	N		1								WB	\$4,000	\$4,000				
W	X	N	H	28N02C1	0.0	1.2	1.2			2	N								\$42,000	New Const	\$35,000	\$42,000	\$42,000				
W	N	L		28N02Y	0.0	1.6	1.6			1	N	1								Open	\$4,000	\$6,400					
W	Y	L		28N03	0.0	2.8	2.8			3	A/N									Rock	\$0	\$0					
W	Y	O		28N03J	0.0	0.5	0.5			2	N										\$0	\$0					
W	X	Y	H	28N17	0.0	2.3	2.3			2	N	1		1						Rock	\$12,000	\$27,600	\$27,600				
W	Y	M		28N19	0.0	1.1	1.1	28N31	28N19D	2	N	1		1							\$7,500	\$8,250					
W	Y	L		28N19	1.1	4.8	3.7	28N19D	28N03	2	A	1									\$2,500	\$9,250					
W	Y	L		28N19A	0.0	1.0	1.0			2	N	1									\$4,000	\$4,000					
W	Y	O		28N25	0.0	1.6	1.6	28N02	Switchback	1	A									Open	\$0	\$0					
W	N	L		28N25	1.6	2.2	0.6	Switch	EOP	1	N	1								Open	\$4,000	\$2,400					
W	X	Y	L	28N26X	0.0	1.0	1.0			1	N	1		1							\$12,000	\$12,000	\$12,000				
W	Y	O		28N31	0.0	5.9	5.9			3	A										\$0	\$0					
W	Y	O		28N35	0.0	0.9	0.9			2	N										\$0	\$0					
W	Y	L		28N37	0.0	0.8	0.8	28N31 N	28N25	2	N	1									\$4,000	\$3,200					
W	X	Y	H	28N37	2.0	2.7	0.7	28N25	28N31 S	2	N	1		1							\$12,000	\$8,400	\$8,400				
W	X	N	H	28N52	0.0	0.9	0.9			2	N			1							\$8,000	\$7,200	\$7,200				
W	N	H		28N52A	0.0	0.5	0.5			2	N			1							\$8,000	\$4,000					
W	Y	O		29N43	2.6	10.4	7.8			3	A										\$0	\$0					
W	Y	O		29N99	0.0	2.2	2.2			2	N										\$0	\$0					
																						\$195,250	\$97,200				
X						1				sales × 10692 / sale												Mobilization		\$10,692	\$10,692		
X						6.1				miles × 3333 / mi													Engineering Deposits		\$20,331	\$20,331	
																								\$128,223			

Table F-1. Diamond Project road survey for alternatives B and C (continued).

Reconstruction	Chip Van Access	Priority	Road #	MP	MP	Mi	Begin Project	End Project	Maintenance Level	Surface Type	Brush			Drainage				Other	Notes	Total/Mi	Total	PA Total	02/14/06				
											Light	Moderate	Heavy	Few Dips/M	Many Dips/M	Number of Pipes	Low Water							Curver			
Cost per mile											2,500	4,000	6,000	5,000	8,000	2,000	1,000	500	Cost								
																			Total Engineering Deposits			\$122,054					
																			Total Road Reconstruction			\$460,278					
																			Grand Total			\$582,333					
																			36.6 Total Miles Road Reconstruction / New Construction								

Table F-2. Diamond Project road survey for alternative D.

	Reconstruction	Chip Van Access	Priority	Road #	MP	MP	Mi	Begin Project	End Project	Maintenance Level	Surface Type	Brush			Drainage				Curver	Other	Notes	Total/Mi	Total	PA Total	01/18/06	
												Light	Moderate	Heavy	Few Dips/M	Many Dips/M	Number of Pipes	Low Water								
Cost per mile												2,500	4,000	6,000	5,000	8,000	2,000	1,000	500	Cost						
B	N	L		28N02	1.6	5.3	3.7	PC 213	Sheep camp	2	N	1			1								\$7,500	\$27,750		
B	N	M		28N02	5.3	9.6	4.3	Sheep camp	28N03	2	N		1		1								\$9,000	\$38,700		
B	Y	O		28N03	4.6	9.8	5.2	28N02	PC 213	2	N												\$0	\$0		
B	Y	O		28N08	9.8	19.4	9.6			3	A												\$0	\$0		
B	Y	O		28N15	0.0	0.8	0.8	28N02E	28N15F	2	A												\$0	\$0		
B	N	L		28N15	0.8	4.6	3.8	28N15F	28N02W	2	N				1			\$5,000	R Dips			\$6,316	\$24,000			
B	N	O		28N15A	0.0	1.4	1.4			2	N										Lookout		\$0	\$0		
B	Y	O		28N15B	0.0	0.3	0.3			2	N										Rock source		\$0	\$0		
B	N	H		28N23	0.0	0.7	0.7			2	N			1	1								\$11,000	\$7,700		
B	N	O		PC 213	0.0	7.8	7.8	28N30	28N08	3	N												\$0	\$0		
																								\$98,150	\$0	
	X						1																		\$0	\$0
	X						0.0																		\$0	\$0
																									\$0	
F	X	Y	M	27N09A	0.0	1.0	1.0			2	N		1		1			\$21,000	Relocate			\$33,649	\$32,640	\$32,640		
F	X	Y	M	27N09E	0.0	0.5	0.5			2	N		1		1								\$9,000	\$4,500	\$4,500	
F	Y	L		27N72	0.0	1.2	1.2	28N30	27N72C	2	N	1											\$2,500	\$3,000		
F	X	Y	M	27N72	1.2	2.5	1.3	27N72C	27N30C	2	N		1		1								\$12,000	\$15,600	\$15,600	
F	X	Y	M	27N77	0.0	1.2	1.2			2	N		1		1			\$3,000	Relocate			\$14,609	\$16,800	\$16,800		
F	Y	H		28N03	0.0	0.1	0.1	28N30	PVT SEC 35	2	N							\$10,000	Relocate			\$100,000	\$10,000	\$10,000		

Table F-2. Diamond Project road survey for alternative D (continued).

	Reconstruction	Chip Van Access	Priority	Road #	MP	MP	Mi	Begin Project	End Project	Maintenance Level	Surface Type	Brush			Drainage				Curver	Other	Notes	Total/Mi	Total	01/18/06 PA Total		
												Light	Moderate	Heavy	Few Dips/M	Many Dips/M	Number of Pipes	Low Water								
Cost per mile												2,500	4,000	6,000	5,000	8,000	2,000	1,000	500	Cost						
F		Y	L	28N03	1.1	4.6	3.5	PVT SEC 35	28N02	2	N				1								\$5,000	\$17,500		
F	X	Y	M	28N30	2.7	4.1	1.4	28N40	27N72	2	A		1					1				\$4,714	\$6,600	\$6,600		
F		Y	L	28N30	4.2	6.3	2.1	27N72	29N46	2	N	1										\$2,500	\$5,250			
F	X	Y	M	28N30B	0.0	1.8	1.8			2	N		1		1						WB	\$9,000	\$16,200	\$16,200		
F	X	Y	M	28N30B1	0.0	0.8	0.8			2	N		1		1						WB	\$9,000	\$7,200	\$7,200		
F		Y	L	28N30C	0.0	1.2	1.2			2	N		1		1						WB	\$9,000	\$10,800			
F		Y	L	28N30C1	0.0	0.9	0.9			2	N		1								WB	\$4,000	\$3,600			
F		Y	L	28N48	0.0	1.1	1.1			2	N				1							\$5,000	\$5,500			
F		Y	L	29N46	7.7	9.8	2.1	28N03	28N08	3	A	1										\$2,500	\$5,250			
																							\$160,440	\$109,540		
	X						1			sales × 9858.6 / sale								Mobilization						\$9,859	\$9,859	
	X						7.9			miles × 3333 / mi								Engineering Deposits							\$26,397	\$26,397
																								\$145,796		
M		Y	O	26N10	0.0	1.6	1.6			3	A												\$0	\$0		
M		Y	O	26N10	1.6	2.9	1.3			3	N												\$0	\$0		
M		N	H	26N10	2.9	4.0	1.1	26N99	26N10A	2	N	1			1			0					\$10,500	\$11,550		
M		N	H	26N10A	0.0	0.9	0.9			1	N		1		1	2							\$16,444	\$14,800		
M		N	H	26N10A	0.9	1.4	0.5			1	N			1				1					\$15,000	\$7,500		
M		Y	L	26N24	0.0	0.7	0.7			2	N		1		1								\$9,000	\$6,300		
M	X	Y	H	26N45	0.0	4.9	4.9			2	N		1		1			20					\$11,041	\$54,100	\$54,100	
M	X	Y	H	26N46	0.0	1.0	1.0			2	N	1			1			1					\$11,000	\$11,000	\$11,000	

Table F-2. Diamond Project road survey for alternative D (continued).

	Reconstruction	Chip Van Access	Priority	Road #	MP	MP	Mi	Begin Project	End Project	Maintenance Level	Surface Type	Brush			Drainage				Curver	Other	Notes	Total/Mi	Total	01/18/06 PA Total	
												Light	Moderate	Heavy	Few Dips/M	Many Dips/M	Number of Pipes	Low Water							
Cost per mile												2,500	4,000	6,000	5,000	8,000	2,000	1,000	500	Cost					
M		Y	L	26N54	1.8	5.0	3.2			2	N	1				1						Close	\$7,500	\$24,000	
M		Y	L	26N54B	0.0	1.6	1.6			2	N		1									Close	\$4,000	\$6,400	
M	X	Y	H	26N99	0.0	2.0	2.0			2	A/N				1				2			\$8,500	\$17,000	\$17,000	
M		N	O	27N06	0.0	0.0	1.4			2	N		1		1						WB-Close	\$9,000	\$12,600		
M		Y	O	27N07	0.0	2.0	2.0	27N09	27N56	2	N												\$0	\$0	
M		Y	L	27N07	2.0	2.8	0.8	27N56	27N07B	2	N	1											\$2,500	\$2,000	
M		Y	O	27N07	2.8	4.1	1.3	27N07B	27N07C	2	N/A												\$0	\$0	
M		Y	O	27N09	0.0	5.2	5.2	28N03	27N56	3	A												\$0	\$0	
M		Y	O	27N09	5.2	6.9	1.7	26N56	SEC 25	3	N												\$0	\$0	
M		Y	O	27N09	6.9	8.3	1.4	SEC 25	S 30/31	3	A												\$0	\$0	
M		Y	H	27N09	8.3	12.0	3.7	S 30/31	26N54	3	N										Rock		\$0	\$0	
M		Y	O	27N09	12.0	13.8	1.8	26N54	29N43	3	A												\$0	\$0	
M		N	L	27N09C	0.0	0.7	0.7			2	N		1										\$4,000	\$2,800	
M	X	Y	M	27N09D	0.0	3.7	3.7			2	N		1		1				6				\$9,811	\$36,300	\$36,300
M		Y	L	27N10	0.0	2.5	2.5	27N09	SEC 35	3	N	1											\$2,500	\$6,250	
M		Y	L	27N10	2.5	3.8	1.3	SEC 35	S 36/1	3	N		1										\$4,000	\$5,200	
M		Y	L	27N10	3.8	5.1	1.3	S 36/1	27N53	3	A	1											\$2,500	\$3,250	
M	X	Y	M	27N34	0.0	0.6	0.6			2	N	1			1				1				\$8,333	\$5,000	\$5,000
M		Y	H	27N42	0.0	4.0	4.0			2	N		1		1				2				\$9,250	\$37,000	
M		N	M	27N45	0.0	4.6	4.6			2	N	1			1								\$7,500	\$34,500	
M		N	O	27N48	0.0	1.0	1.0			2	N												\$0	\$0	
M		N	O	27N53	0.0	2.1	2.1			2	A	1			1								\$7,500	\$15,750	

Table F-2. Diamond Project road survey for alternative D (continued).

	Reconstruction	Chip Van Access	Priority	Road #	MP	MP	Mi	Begin Project	End Project	Maintenance Level	Surface Type	Brush			Drainage				Curver	Other	Notes	Total/Mi	Total	01/18/06 PA Total				
												Light	Moderate	Heavy	Few Dips/M	Many Dips/M	Number of Pipes	Low Water										
Cost per mile												2,500	4,000	6,000	5,000	8,000	2,000	1,000	500	Cost								
M		N	O	27N53	2.1	3.3	1.2			2	N	1				1							\$7,500	\$9,000				
M		Y	O	27N54	0.0	1.4	1.4			2	A												\$0	\$0	\$0			
M	X	Y	M	27N56	0.0	1.2	1.2	27N07	27N56D	2	N	1				1							\$7,500	\$9,000	\$9,000			
M		N	L	27N56	1.2	2.5	1.3	27N56D	27N56B	2	N	1											\$2,500	\$3,250				
M		N	O	27N56	2.5	5.4	2.9	27N56B	27N09	2	N												\$0	\$0				
M		Y	L	27N56D	0.0	1.7	1.7			2	N												\$4,000	\$6,800				
M	X	Y	M	27N57	0.0	1.2	1.2			2	N												\$9,417	\$11,300	\$11,300			
M	X	Y	M	27N57	0.0	0.8	0.8			2	N												\$9,000	\$7,200	\$7,200			
M		N	L	27N58	0.0	2.3	2.3			2	N												\$5,435	\$12,500	\$12,500			
M		Y	O	27N71	0.0	0.9	0.9			2	N												\$0	\$0				
																									\$163,400			
	X						1			sales x 14706 / sale																\$14,706	\$14,706	
	X						15.4			miles x 3333 / mi																	\$51,328	\$51,328
																										\$229,434		
W	N	L	27N29	0.0	1.1	1.1	28N31	28N31B	2	N	1												\$2,500	\$2,750				
W	N	H	27N29	1.1	2.3	1.2	28N31B	EOP	2	N									\$500	Rocks			\$12,417	\$14,900				
W	Y	L	27N46	0.0	1.9	1.9			2	A	1												\$2,500	\$4,750				
W	Y	M	27N65	0.0	2.1	2.1			2	N	1												\$7,500	\$15,750				
W	Y	M	28N00	0.0	1.3	1.3	28N03	28N00B	2	N	1												\$7,500	\$9,750				
W	Y	L	28N00A	1.3	2.4	1.1	28N00B	Prop line	2	N													\$4,000	\$4,400				
W	Y	O	28N02	0.0	16.4	16.4			3	A													\$0	\$0				

Table F-2. Diamond Project road survey for alternative D (continued).

	Reconstruction	Chip Van Access	Priority	Road #	MP	MP	Mi	Begin Project	End Project	Maintenance Level	Surface Type	Brush			Drainage				Curver	Other	Notes	Total/Mi	Total	01/18/06 PA Total
												Light	Moderate	Heavy	Few Dips/M	Many Dips/M	Number of Pipes	Low Water						
Cost per mile												2,500	4,000	6,000	5,000	8,000	2,000	1,000	500	Cost				
W	Y	L	28N02C	0.0	1.7	1.7	28N02	M SEC 22	2	N	1									WB	\$2,500	\$4,250		
W	Y	L	28N02C	1.7	2.7	1.0			2	N		1								WB	\$4,000	\$4,000		
W	N	H	28N02C1	0.0	1.2	1.2			2	N								\$36,000	New Const	\$30,000	\$36,000			
W	N	L	28N02Y	0.0	1.6	1.6			1	N		1							Open	\$4,000	\$6,400			
W	Y	L	28N03	0.0	2.8	2.8			3	A/N									Rock	\$0	\$0			
W	Y	O	28N03J	0.0	0.5	0.5			2	N										\$0	\$0			
W	X	Y	H	28N17	0.0	2.3	2.3		2	N		1			1				Rock	\$12,000	\$27,600	\$27,600		
W	Y	M	28N19	0.0	1.1	1.1	28N31	28N19D	2	N	1				1					\$7,500	\$8,250			
W	Y	L	28N19	1.1	4.8	3.7	28N19D	28N03	2	A	1									\$2,500	\$9,250			
W	Y	L	28N19A	0.0	1.0	1.0			2	N		1								\$4,000	\$4,000			
W	Y	O	28N25	0.0	1.6	1.6	28N02	Switchback	1	A									Open	\$0	\$0			
W	N	L	28N25	1.6	2.2	0.6	Switch	EOP	1	N		1							Open	\$4,000	\$2,400			
W	X	Y	L	28N26X	0.0	1.0	1.0		1	N		1			1					\$12,000	\$12,000	\$12,000		
W	Y	O	28N31	0.0	5.9	5.9			3	A										\$0	\$0			
W	Y	O	28N35	0.0	0.9	0.9			2	N										\$0	\$0			
W	Y	L	28N37	0.0	0.8	0.8	28N31 N	28N25	2	N		1								\$4,000	\$3,200			
W	X	Y	H	28N37	2.0	2.7	0.7	28N25	28N31 S	2	N		1			1				\$12,000	\$8,400	\$8,400		
W	N	H	28N52	0.0	0.9	0.9			2	N						1				\$8,000	\$7,200			
W	N	H	28N52A	0.0	0.5	0.5			2	N						1				\$8,000	\$4,000			
W	Y	O	29N43	2.6	10.4	7.8			3	A										\$0	\$0			
W	Y	O	29N99	0.0	2.2	2.2			2	N										\$0	\$0			

Table F-3. Diamond Project road survey for alternative F.

	Reconstruction	Chip Van Access	Priority	Road #	MP	MP	Mi	Begin Project	End Project	Maintenance Level	Surface Type	Brush			Drainage				Curver	Other	Notes	Total/Mi	Total	PA Total	01/18/06										
												Light	Moderate	Heavy	Few Dips/M	Many Dips/M	Number of Pipes	Low Water																	
Cost per mile												2,500	4,000	6,000	5,000	8,000	2,000	1,000	500	Cost															
B	N	L		28N02	1.6	5.3	3.7	PC 213	Sheep camp	2	N	1			1								\$7,500	\$27,750											
B	N	M		28N02	5.3	9.6	4.3	Sheep camp	28N03	2	N		1		1								\$9,000	\$38,700											
B	Y	O		28N03	4.6	9.8	5.2	28N02	PC 213	2	N												\$0	\$0											
B	Y	O		28N08	9.8	19.4	9.6			3	A												\$0	\$0											
B	Y	O		28N15	0.0	0.8	0.8	28N02E	28N15F	2	A												\$0	\$0											
B	N	L		28N15	0.8	4.6	3.8	28N15F	28N02W	2	N				1				\$5,000	R Dips		\$6,316	\$24,000												
B	N	O		28N15A	0.0	1.4	1.4			2	N										Lookout	\$0	\$0												
B	Y	O		28N15B	0.0	0.3	0.3			2	N										Rock source	\$0	\$0												
B	N	H		28N23	0.0	0.7	0.7			2	N			1	1							\$11,000	\$7,700												
B	N	O		PC 213	0.0	7.8	7.8	28N30	28N08	3	N												\$0	\$0											
																								\$98,150	\$0										
X							1			sales × 0 / sale								Mobilization						\$0	\$0										
X							0.0			miles × 3333 / mi								Engineering Deposits							\$0	\$0									
																									\$0										
F	X	Y	M	27N09A	0.0	1.0	1.0			2	N		1		1				\$21,000	Relocate		\$33,649	\$32,640	\$32,640											
F	X	Y	M	27N09E	0.0	0.5	0.5			2	N		1		1							\$9,000	\$4,500	\$4,500											
F	Y	L		27N72	0.0	1.2	1.2	28N30	27N72C	2	N	1										\$2,500	\$3,000												
F	X	Y	M	27N72	1.2	2.5	1.3	27N72C	27N30C	2	N		1		1							\$12,000	\$15,600	\$15,600											
F	X	Y	M	27N77	0.0	1.2	1.2			2	N		1		1				\$3,000	Relocate		\$14,609	\$16,800	\$16,800											
F	Y	H		28N03	0.0	0.1	0.1	28N30	PVT SEC 35	2	N								\$10,000	Relocate		\$100,000	\$10,000	\$10,000											

Table F-3. Diamond Project road survey for alternative F (continued).

	Reconstruction	Chip Van Access	Priority	Road #	MP	MP	Mi	Begin Project	End Project	Maintenance Level	Surface Type	Brush			Drainage				Curver	Other	Notes	Total/Mi	Total	PA Total	01/18/06			
												Light	Moderate	Heavy	Few Dips/M	Many Dips/M	Number of Pipes	Low Water										
Cost per mile												2,500	4,000	6,000	5,000	8,000	2,000	1,000	500	Cost								
F		Y	L	28N03	1.1	4.6	3.5	PVT SEC 35	28N02	2	N				1							\$5,000	\$17,500					
F	X	Y	M	28N30	2.7	4.1	1.4	28N40	27N72	2	A		1									\$4,714	\$6,600	\$6,600				
F		Y	L	28N30	4.2	6.3	2.1	27N72	29N46	2	N	1										\$2,500	\$5,250					
F	X	Y	M	28N30B	0.0	1.8	1.8			2	N		1		1						WB	\$9,000	\$16,200	\$16,200				
F	X	Y	M	28N30B1	0.0	0.8	0.8			2	N		1		1						WB	\$9,000	\$7,200	\$7,200				
F		Y	L	28N30C	0.0	1.2	1.2			2	N		1		1						WB	\$9,000	\$10,800					
F		Y	L	28N30C1	0.0	0.9	0.9			2	N		1								WB	\$4,000	\$3,600					
F		Y	L	28N48	0.0	1.1	1.1			2	N				1							\$5,000	\$5,500					
F		Y	L	29N46	7.7	9.8	2.1	28N03	28N08	3	A	1										\$2,500	\$5,250					
																								\$160,440	\$109,540			
	X						1			sales × 9858.6 / sale								Mobilization							\$9,859	\$9,859		
	X						7.9			miles × 3333 / mi								Engineering Deposits								\$26,397	\$26,397	
																									\$145,796			
M		Y	O	26N10	0.0	1.6	1.6			3	A											\$0	\$0					
M		Y	O	26N10	1.6	2.9	1.3			3	N											\$0	\$0					
M		N	H	26N10	2.9	4.0	1.1	26N99	26N10A	2	N	1			1					0		\$10,500	\$11,550					
M		N	H	26N10A	0.0	0.9	0.9			1	N		1		1	2						\$16,444	\$14,800					
M		N	H	26N10A	0.9	1.4	0.5			1	N			1						1		\$15,000	\$7,500					
M		Y	L	26N24	0.0	0.7	0.7			2	N		1		1							\$9,000	\$6,300					
M	X	Y	H	26N45	0.0	4.9	4.9			2	N		1		1					20		\$11,041	\$54,100	\$54,100				

Table F-3. Diamond Project road survey for alternative F (continued).

	Reconstruction	Chip Van Access	Priority	Road #	MP	MP	Mi	Begin Project	End Project	Maintenance Level	Surface Type	Brush			Drainage				Curver	Other	Notes	Total/Mi	Total	PA Total	01/18/06
												Light	Moderate	Heavy	Few Dips/M	Many Dips/M	Number of Pipes	Low Water							
Cost per mile												2,500	4,000	6,000	5,000	8,000	2,000	1,000	500	Cost					
M	X	Y	H	26N46	0.0	1.0	1.0			2	N	1				1			1			\$11,000	\$11,000	\$11,000	
M		Y	L	26N54	1.8	5.0	3.2			2	N	1			1						Close	\$7,500	\$24,000		
M		Y	L	26N54B	0.0	1.6	1.6			2	N		1								Close	\$4,000	\$6,400		
M	X	Y	H	26N99	0.0	2.0	2.0			2	A/N				1			2				\$8,500	\$17,000	\$17,000	
M		N	O	27N06	0.0	0.0	1.4			2	N		1		1						WB-Close	\$9,000	\$12,600		
M		Y	O	27N07	0.0	2.0	2.0	27N09	27N56	2	N											\$0	\$0		
M		Y	L	27N07	2.0	2.8	0.8	27N56	27N07B	2	N	1										\$2,500	\$2,000		
M		Y	O	27N07	2.8	4.1	1.3	27N07B	27N07C	2	N/A											\$0	\$0		
M		Y	O	27N09	0.0	5.2	5.2	28N03	27N56	3	A											\$0	\$0		
M		Y	O	27N09	5.2	6.9	1.7	26N56	SEC 25	3	N											\$0	\$0		
M		Y	O	27N09	6.9	8.3	1.4	SEC 25	S 30/31	3	A											\$0	\$0		
M		Y	H	27N09	8.3	12.0	3.7	S 30/31	26N54	3	N										Rock	\$0	\$0		
M		Y	O	27N09	12.0	13.8	1.8	26N54	29N43	3	A											\$0	\$0		
M		N	L	27N09C	0.0	0.7	0.7			2	N		1									\$4,000	\$2,800		
M	X	Y	M	27N09D	0.0	3.7	3.7			2	N		1		1			6				\$9,811	\$36,300	\$36,300	
M		Y	L	27N10	0.0	2.5	2.5	27N09	SEC 35	3	N	1										\$2,500	\$6,250		
M		Y	L	27N10	2.5	3.8	1.3	SEC 35	S 36/1	3	N		1									\$4,000	\$5,200		
M		Y	L	27N10	3.8	5.1	1.3	S 36/1	27N53	3	A	1										\$2,500	\$3,250		
M	X	Y	M	27N34	0.0	0.6	0.6			2	N	1			1			1				\$8,333	\$5,000	\$5,000	
M		Y	H	27N42	0.0	4.0	4.0			2	N		1		1			2				\$9,250	\$37,000		
M		N	M	27N45	0.0	4.6	4.6			2	N	1			1							\$7,500	\$34,500		
M		N	O	27N48	0.0	1.0	1.0			2	N											\$0	\$0		

Table F-3. Diamond Project road survey for alternative F (continued).

Reconstruction	Chip Van Access	Priority	Road #	MP	MP	Mi	Begin Project	End Project	Maintenance Level	Surface Type	Brush			Drainage				Other	Notes	Total/Mi	Total	PA Total	01/18/06									
											Light	Moderate	Heavy	Few Dips/M	Many Dips/M	Number of Pipes	Low Water							Curver	Cost							
Cost per mile												2,500	4,000	6,000	5,000	8,000	2,000	1,000	500	Cost												
W	Y	O	28N02	0.0	16.4	16.4			3	A											\$0	\$0										
W	Y	L	28N02C	0.0	1.7	1.7	28N02	M SEC 22	2	N	1								WB		\$2,500	\$4,250										
W	Y	L	28N02C	1.7	2.7	1.0			2	N		1							WB		\$4,000	\$4,000										
W	N	H	28N02C1	0.0	1.2	1.2			2	N							\$36,000	New Const		\$30,000	\$36,000											
W	N	L	28N02Y	0.0	1.6	1.6			1	N		1							Open		\$4,000	\$6,400										
W	Y	L	28N03	0.0	2.8	2.8			3	A/N									Rock		\$0	\$0										
W	Y	O	28N03J	0.0	0.5	0.5			2	N											\$0	\$0										
W	X	Y	H	28N17	0.0	2.3	2.3		2	N		1		1					Rock		\$12,000	\$27,600	\$27,600									
W	Y	M	28N19	0.0	1.1	1.1	28N31	28N19D	2	N	1		1								\$7,500	\$8,250										
W	Y	L	28N19	1.1	4.8	3.7	28N19D	28N03	2	A	1										\$2,500	\$9,250										
W	Y	L	28N19A	0.0	1.0	1.0			2	N		1									\$4,000	\$4,000										
W	Y	O	28N25	0.0	1.6	1.6	28N02	Switchback	1	A									Open		\$0	\$0										
W	N	L	28N25	1.6	2.2	0.6	Switch	EOP	1	N		1							Open		\$4,000	\$2,400										
W	X	Y	L	28N26X	0.0	1.0	1.0		1	N		1		1							\$12,000	\$12,000	\$12,000									
W	Y	O	28N31	0.0	5.9	5.9			3	A											\$0	\$0										
W	Y	O	28N35	0.0	0.9	0.9			2	N											\$0	\$0										
W	Y	L	28N37	0.0	0.8	0.8	28N31 N	28N25	2	N		1									\$4,000	\$3,200										
W	X	Y	H	28N37	2.0	2.7	0.7	28N25	28N31 S	2	N		1		1						\$12,000	\$8,400	\$8,400									
W	N	H	28N52	0.0	0.9	0.9			2	N				1							\$8,000	\$7,200										
W	N	H	28N52A	0.0	0.5	0.5			2	N				1							\$8,000	\$4,000										
W	Y	O	29N43	2.6	10.4	7.8			3	A											\$0	\$0										

Table F-3. Diamond Project road survey for alternative F (continued).

Reconstruction	Chip Van Access	Priority	Road #	MP	MP	Mi	Begin Project	End Project	Maintenance Level	Surface Type	Brush			Drainage				Curver	Other	Notes	Total/Mi	Total	PA Total	01/18/06							
											Light	Moderate	Heavy	Few Dips/M	Many Dips/M	Number of Pipes	Low Water														
Cost per mile											2,500	4,000	6,000	5,000	8,000	2,000	1,000	500	Cost												
W	Y	O	29N99	0.0	2.2	2.2			2	N											\$0	\$0									
																						\$189,250	\$48,000								
X						1			sales × 5280 / sale															\$5,280	\$5,280						
X						4.0			miles × 3333 / mi																\$13,332	\$13,332					
																							\$66,612								
																							\$91,058								
						27.3	Total Miles Road Reconstruction/New Construction																		\$350,785						
																							\$441,842								
																							Grand Total								